

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031819\
 Data File : BE098996.D
 Acq On : 18 Mar 2019 12:10
 Operator : JU/SJ
 Sample : PB117963BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117963BSD

Quant Time: Mar 18 15:04:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	800	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3607	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2443	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	5570	0.40	ng	0.00
27) Chrysene-d12	21.39	240	6490	0.40	ng	-0.01
34) Perylene-d12	23.90	264	6176	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	635	0.27	ng	0.02
5) Phenol-d6	7.00	99	1202	0.36	ng	0.01
8) Nitrobenzene-d5	8.98	82	1638	0.43	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	2612	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	271	0.22	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	5554	0.55	ng	0.00
25) Fluoranthene-d10	19.24	212	32228	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	19016	1.21	ng	0.00

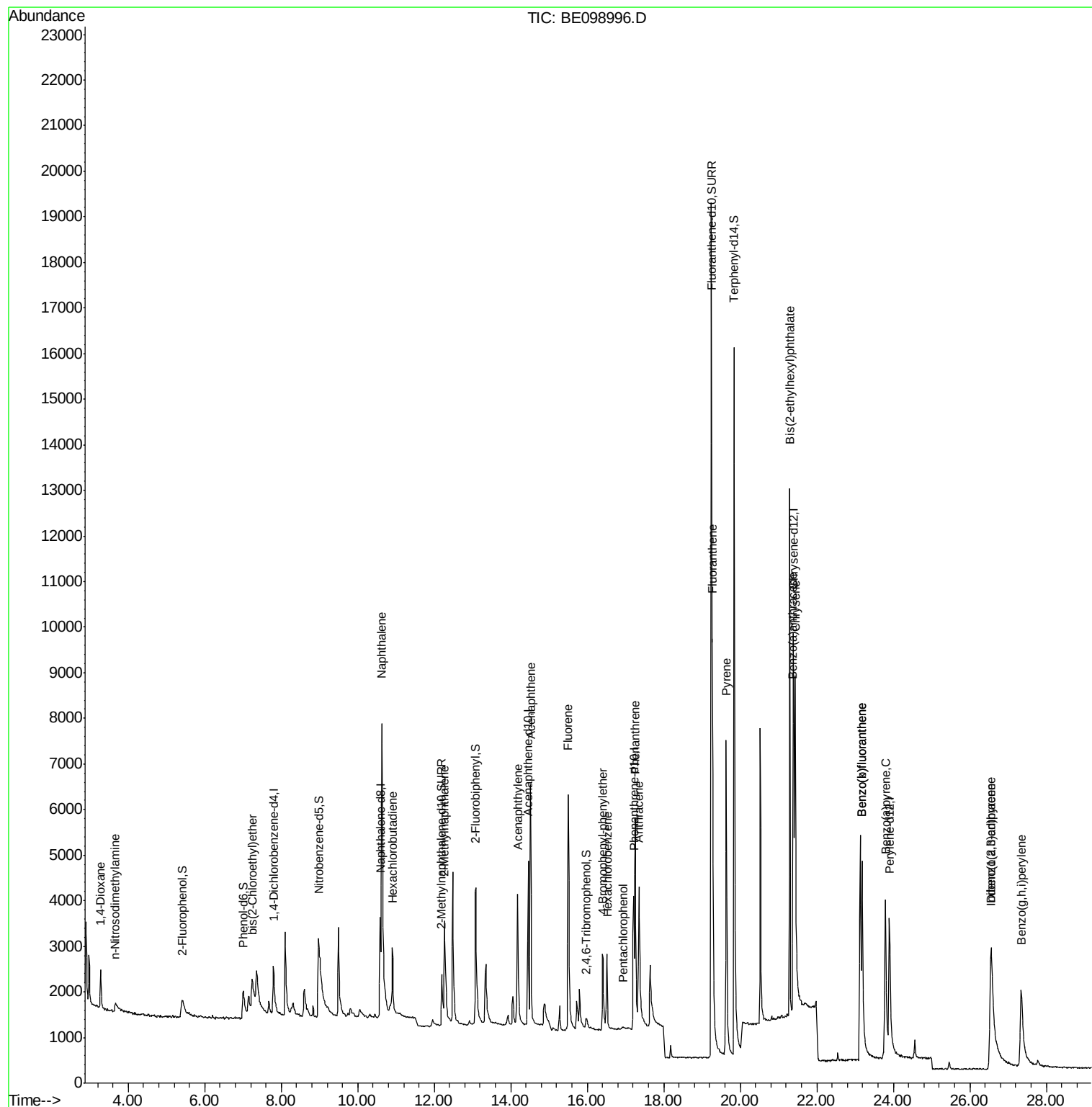
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	576	0.363	ng	92
3) n-Nitrosodimethylamine	3.66	42	187	0.093	ng	# 14
6) bis(2-Chloroethyl)ether	7.24	93	770	0.295	ng	86
9) Naphthalene	10.63	128	17246	0.417	ng	100
10) Hexachlorobutadiene	10.90	225	1065	0.390	ng	97
12) 2-Methylnaphthalene	12.27	142	2522	0.376	ng	98
16) Acenaphthylene	14.18	152	4744	0.378	ng	97
17) Acenaphthene	14.51	154	2870	0.385	ng	99
18) Fluorene	15.50	166	4014	0.373	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1349	0.447	ng	# 82
21) Hexachlorobenzene	16.52	284	1511	0.421	ng	96
22) Pentachlorophenol	16.95	266	70	0.322	ng	95
23) Phenanthrene	17.25	178	6384	0.403	ng	99
24) Anthracene	17.35	178	4781	0.353	ng	99
26) Fluoranthene	19.27	202	8336	0.373	ng	99
28) Pyrene	19.64	202	8587	0.433	ng	99
30) Benzo(a)anthracene	21.38	228	7269	0.359	ng	97
31) Chrysene	21.44	228	8621	0.398	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	12548	0.291	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.54	276	7152	0.313	ng	# 93
35) Benzo(b)fluoranthene	23.18	252	9054	0.446	ng	95
36) Benzo(k)fluoranthene	23.18	252	9293	0.437	ng	98
37) Benzo(a)pyrene	23.79	252	7877	0.405	ng	# 90
38) Dibenzo(a,h)anthracene	26.57	278	1561	0.085	ng	# 91
39) Benzo(g,h,i)perylene	27.34	276	6026	0.313	ng	97

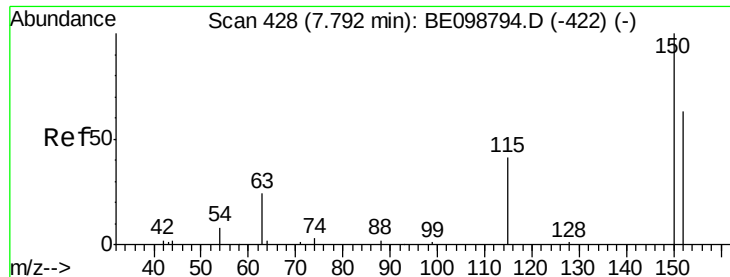
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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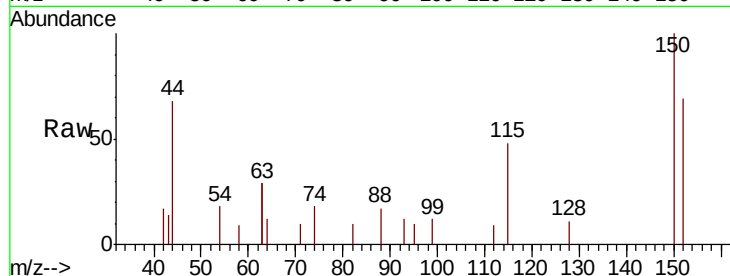


#1

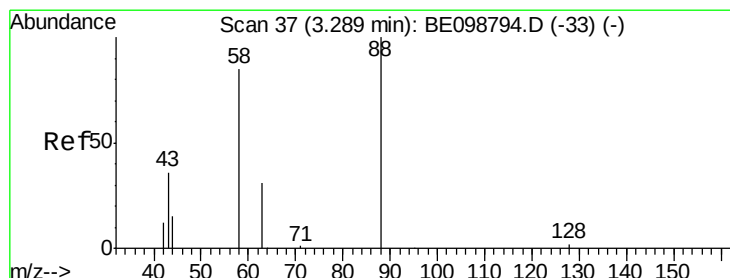
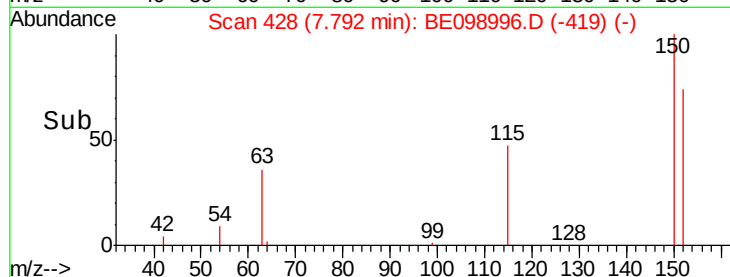
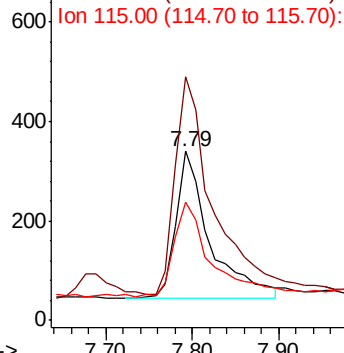
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Instrument :
BNA_E
ClientSampleId :
PB117963BSD

Tot Ion:152 Resp: 800
Ion Ratio Lower Upper
152 100
150 144.1 122.5 183.7
115 69.7 57.4 86.2



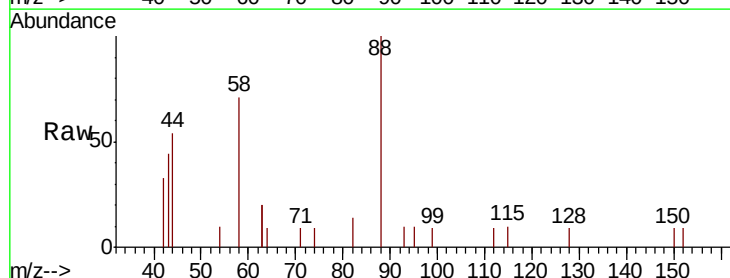
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



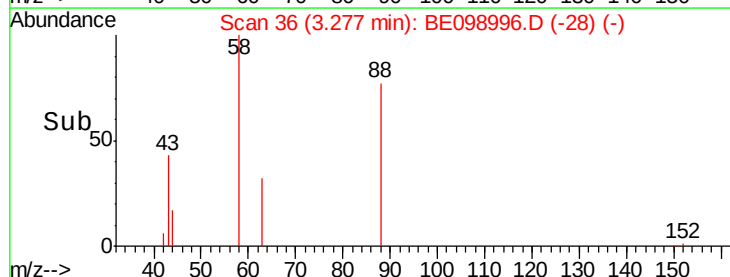
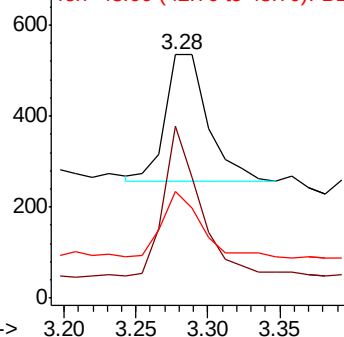
#2

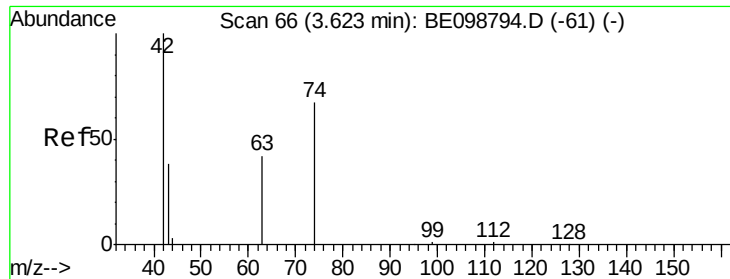
1,4-Dioxane
Concen: 0.363 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Tgt Ion: 88 Resp: 576
Ion Ratio Lower Upper
88 100
58 101.6 75.8 113.6
43 45.3 41.8 62.8



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

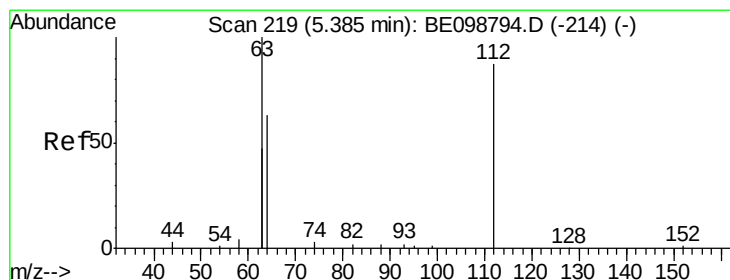
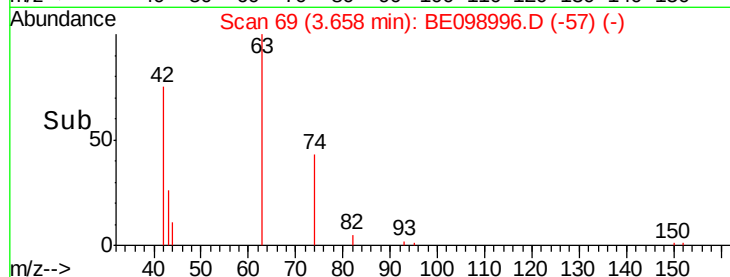
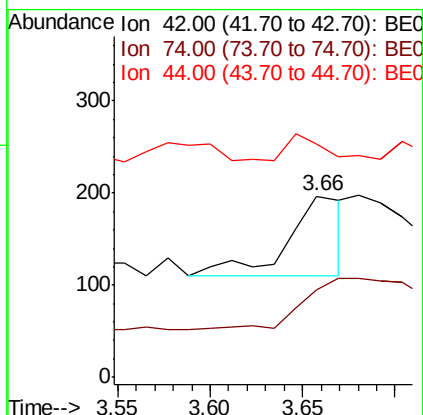
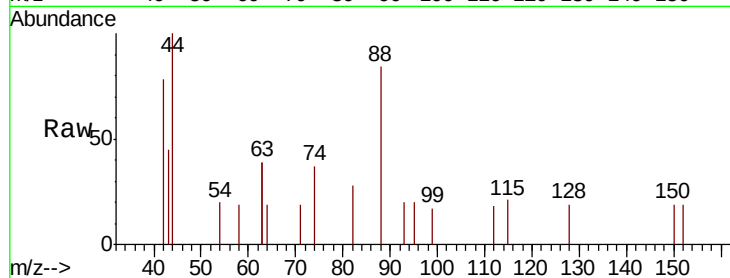




#3
 n-Nitrosodimethylamine
 Concen: 0.093 ng
 RT: 3.66 min Scan# 69
 Delta R.T. 0.03 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

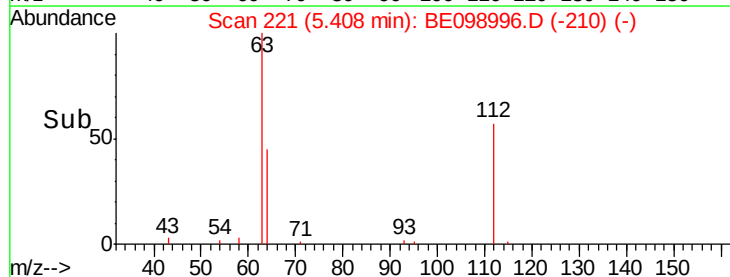
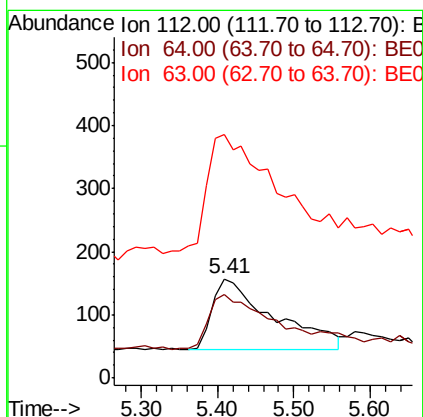
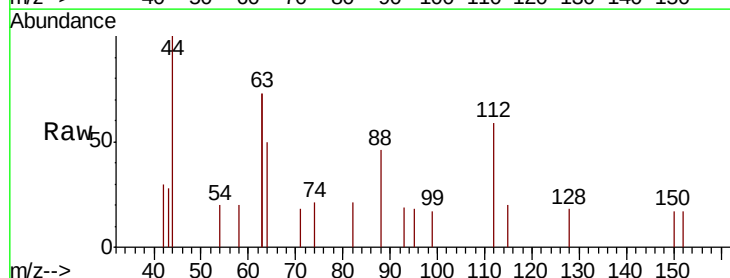
Instrument :
 BNA_E
 ClientSampleId :
 PB117963BSD

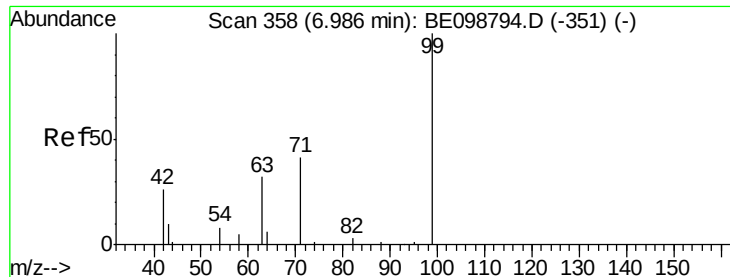
Tot Ion: 42 Resp: 187
 Ion Ratio Lower Upper
 42 100
 74 0.0 57.0 85.4#
 44 19.3 0.0 0.0#



#4
 2-Fluorophenol
 Concen: 0.266 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

Tgt Ion: 112 Resp: 635
 Ion Ratio Lower Upper
 112 100
 64 91.3 57.9 86.9#
 63 185.7 158.3 237.5





#5

Phenol-d6

Concen: 0.356 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

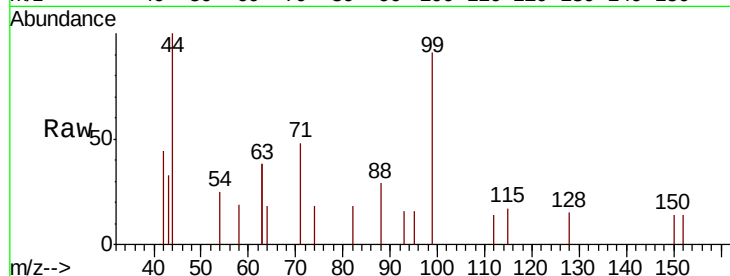
Tot Ion: 99 Resp: 1202

Ion Ratio Lower Upper

99 100

42 24.0 24.2 36.2#

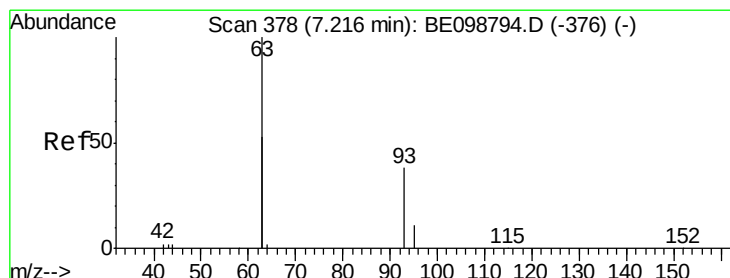
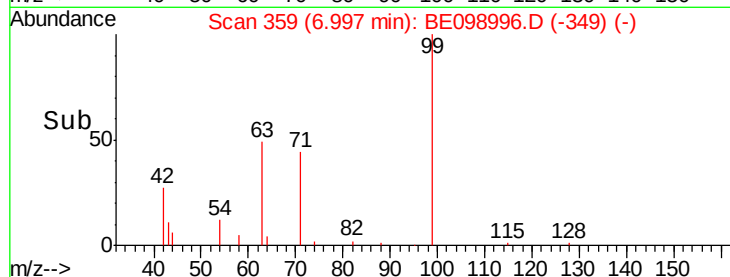
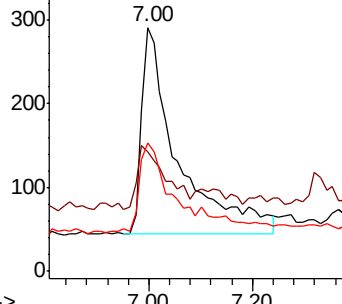
71 46.6 35.7 53.5



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: 0.295 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.02 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

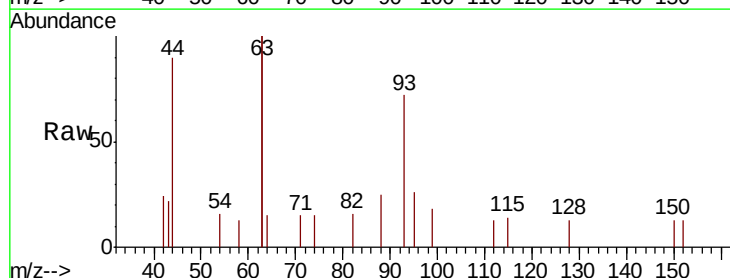
Tgt Ion: 93 Resp: 770

Ion Ratio Lower Upper

93 100

63 281.0 247.5 371.3

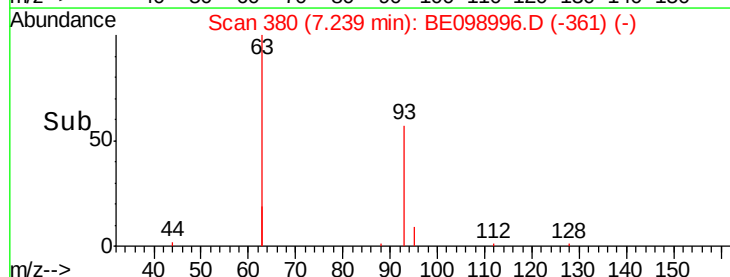
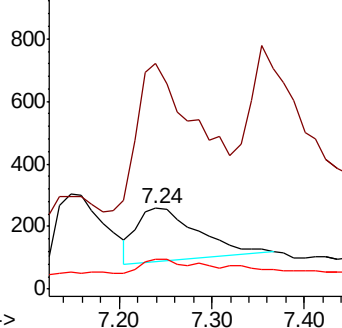
95 23.0 21.8 32.8

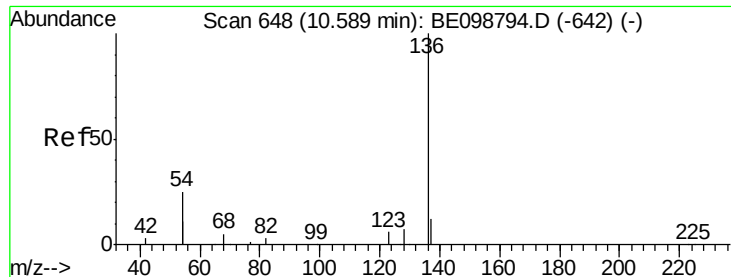


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

Tot Ion:136 Resp: 3607

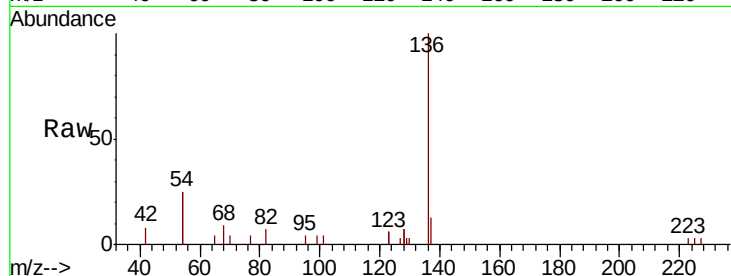
Ion Ratio Lower Upper

136 100

137 13.3 11.4 17.0

54 49.6 39.3 58.9

68 8.5 6.7 10.1

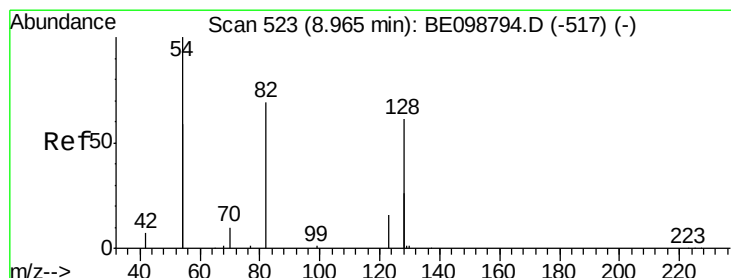
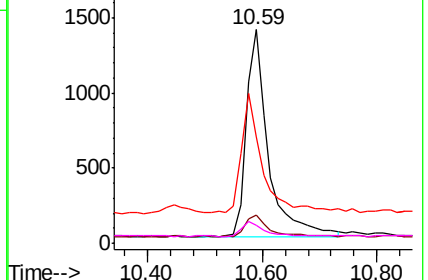
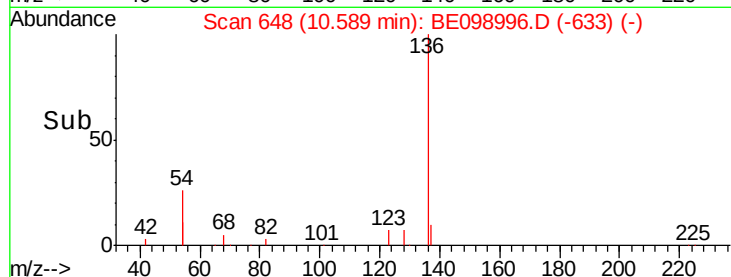


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

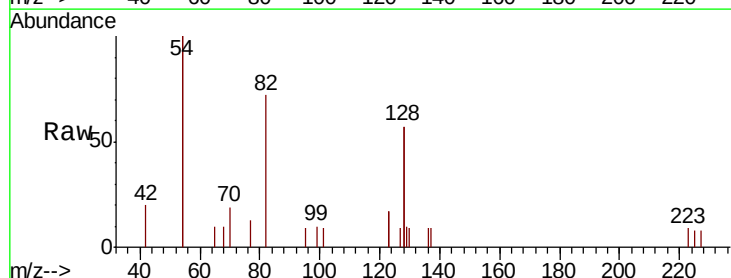
Tgt Ion: 82 Resp: 1638

Ion Ratio Lower Upper

82 100

128 158.7 123.8 185.8

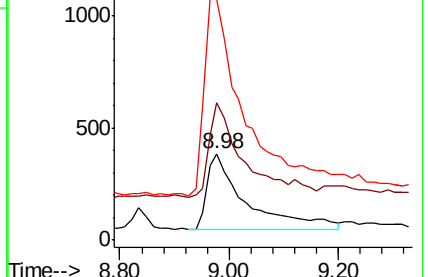
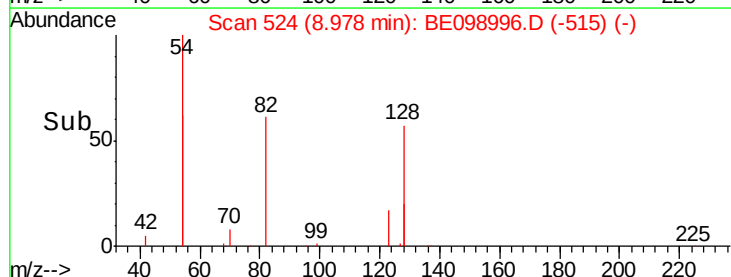
54 278.6 203.4 305.2

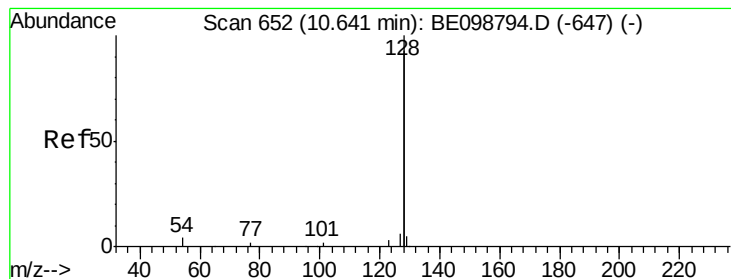


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

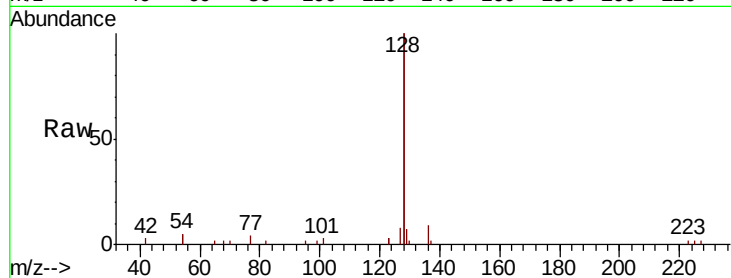
Tot Ion:128 Resp: 17246

Ion Ratio Lower Upper

128 100

129 3.5 2.6 4.0

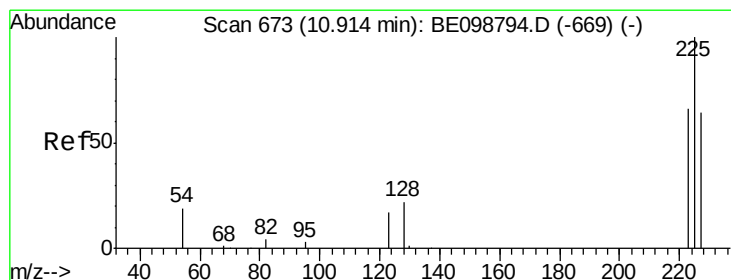
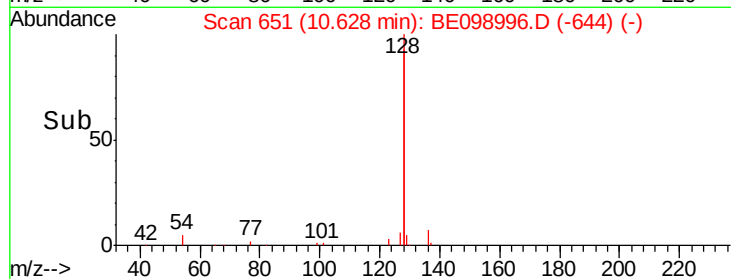
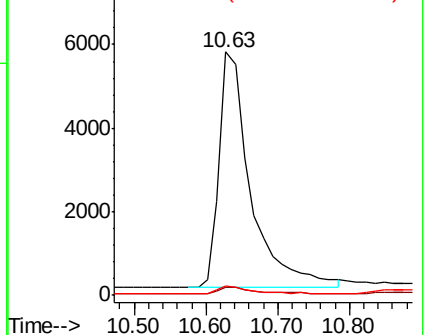
127 3.8 3.1 4.7



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: 0.390 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

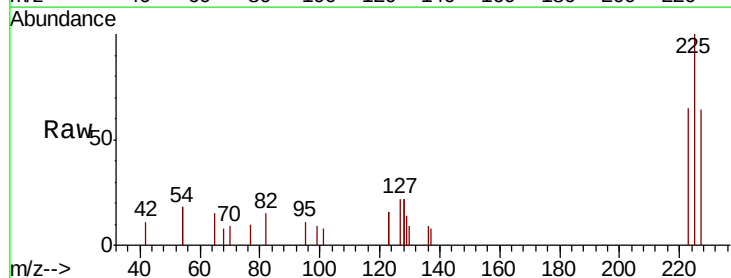
Tgt Ion:225 Resp: 1065

Ion Ratio Lower Upper

225 100

223 61.5 51.1 76.7

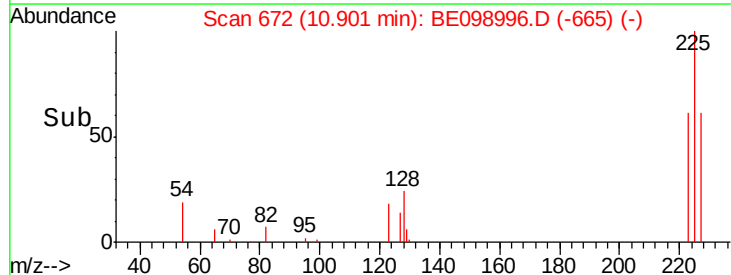
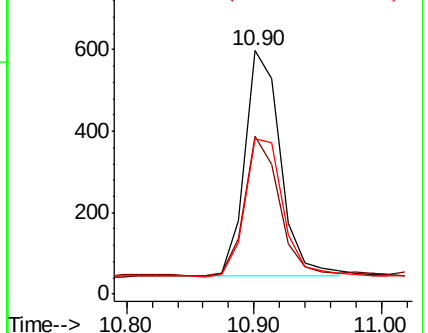
227 66.3 51.6 77.4

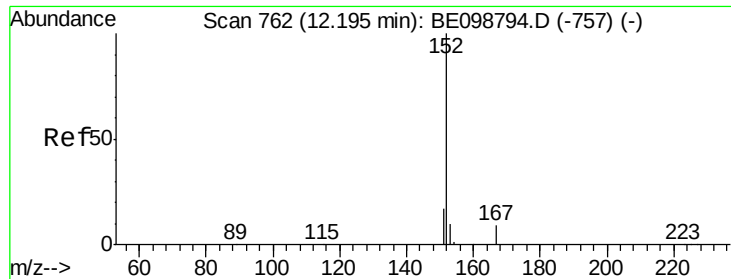


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

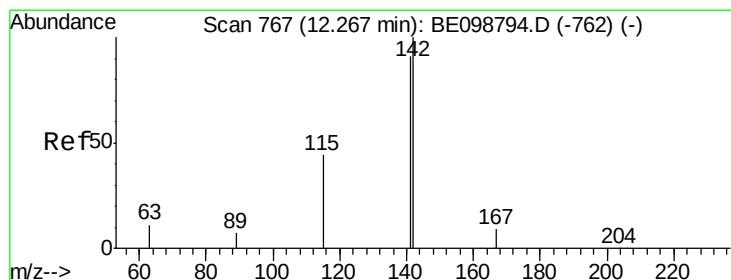
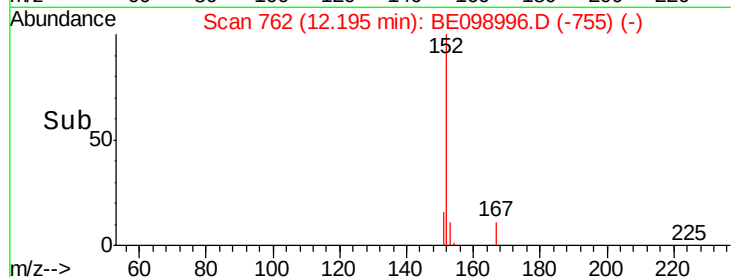
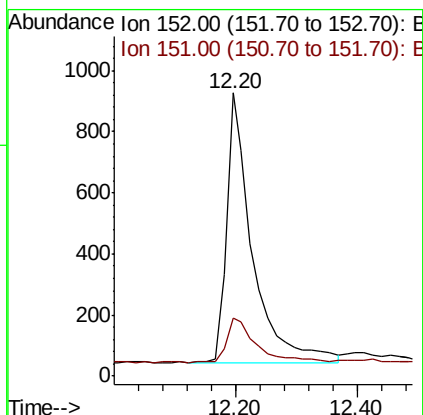
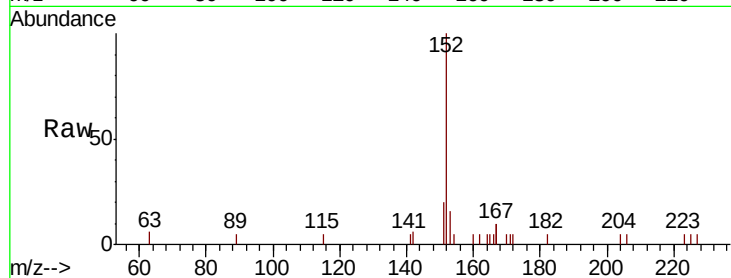




#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

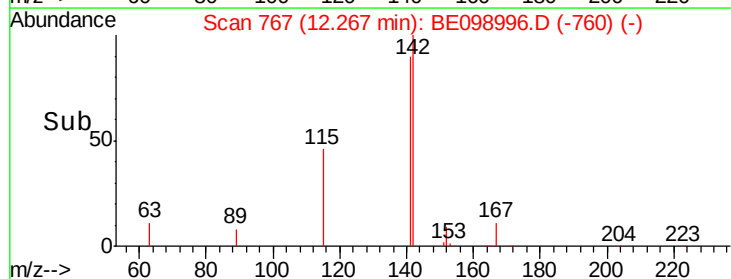
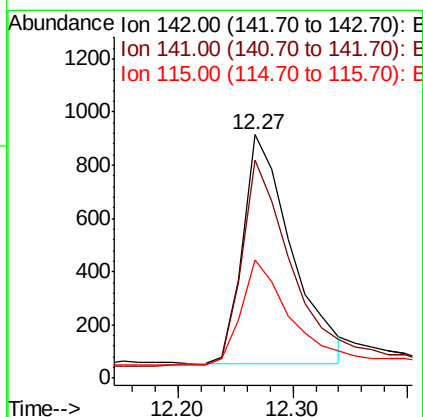
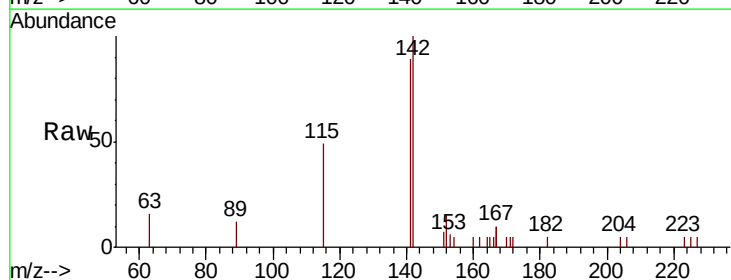
Instrument :
BNA_E
ClientSampleId :
PB117963BSD

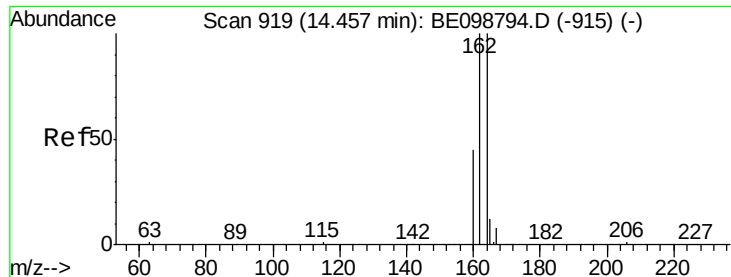
Tot Ion:152 Resp: 2612
Ion Ratio Lower Upper
152 100
151 19.0 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Tgt Ion:142 Resp: 2522
Ion Ratio Lower Upper
142 100
141 89.4 72.6 108.8
115 48.5 37.4 56.2

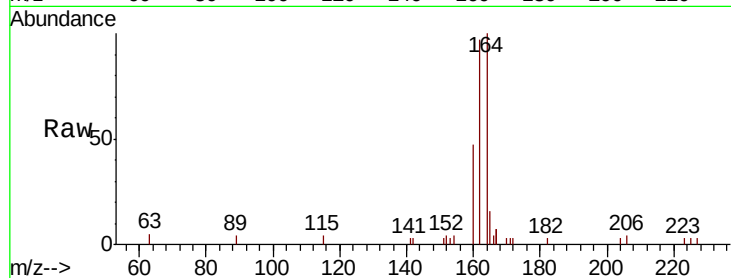




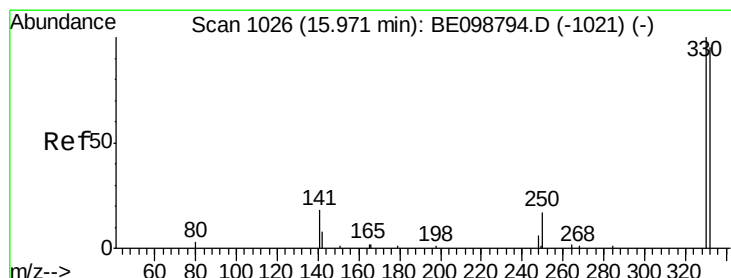
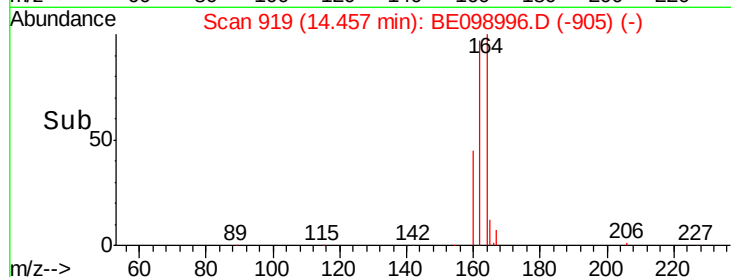
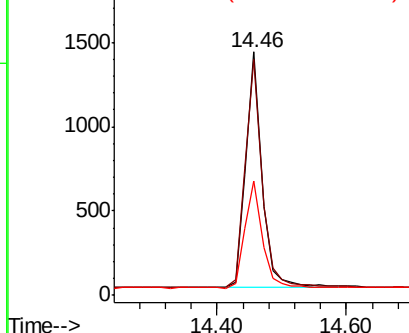
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

Instrument :
 BNA_E
 ClientSampleId :
 PB117963BSD

Tot Ion:164 Resp: 2443
 Ion Ratio Lower Upper
 164 100
 162 96.8 80.2 120.2
 160 47.1 37.8 56.8

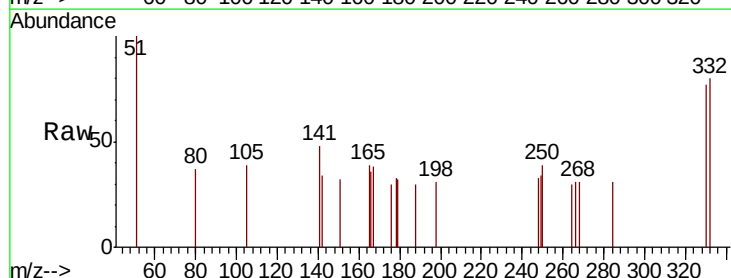


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

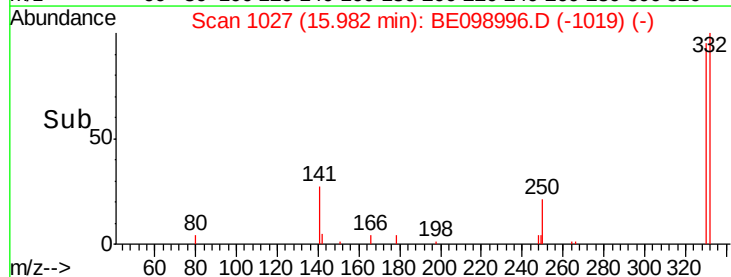
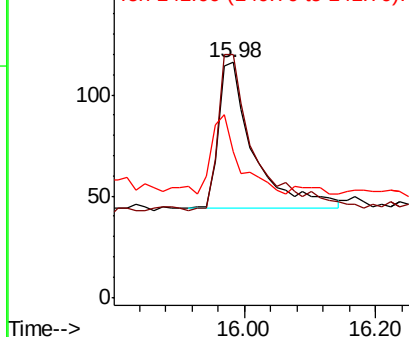


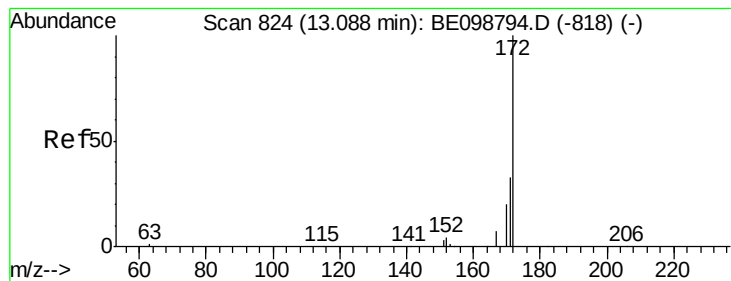
#14
 2,4,6-Tribromophenol
 Concen: 0.220 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

Tgt Ion:330 Resp: 271
 Ion Ratio Lower Upper
 330 100
 332 112.2 77.6 116.4
 141 41.3 31.0 46.4



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: 0.549 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

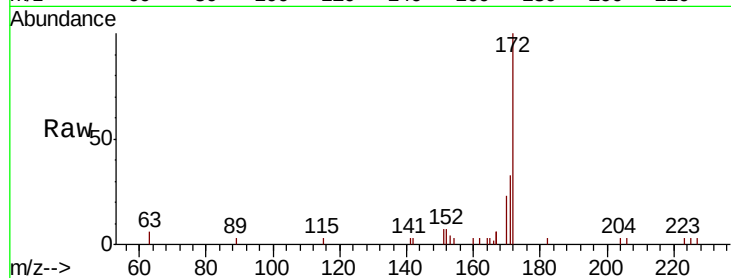
Tot Ion:172 Resp: 5554

Ion Ratio Lower Upper

172 100

171 33.2 28.0 42.0

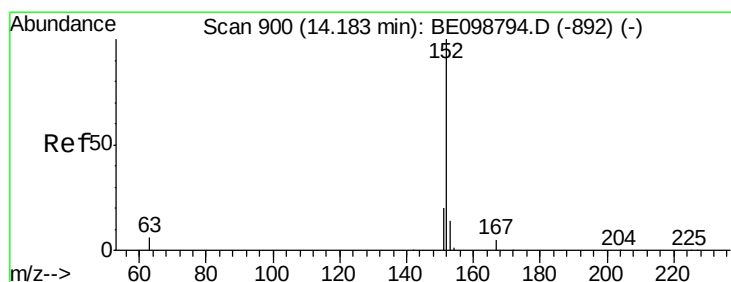
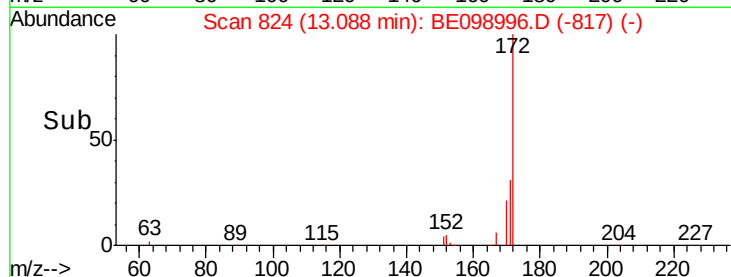
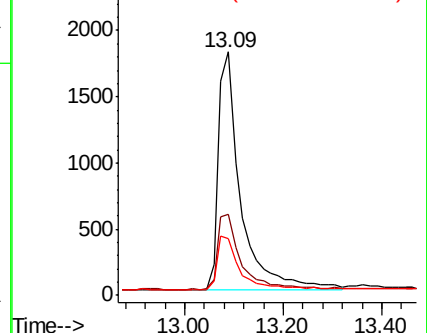
170 23.4 17.7 26.5



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: 0.378 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

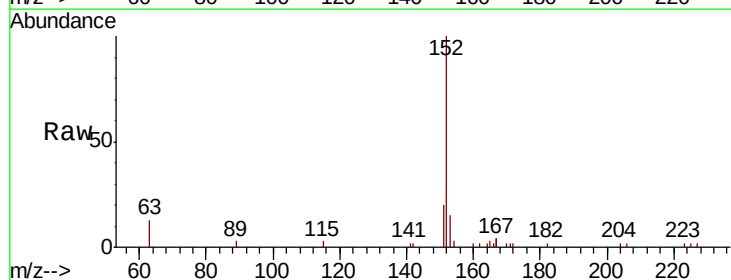
Tgt Ion:152 Resp: 4744

Ion Ratio Lower Upper

152 100

151 19.3 17.0 25.6

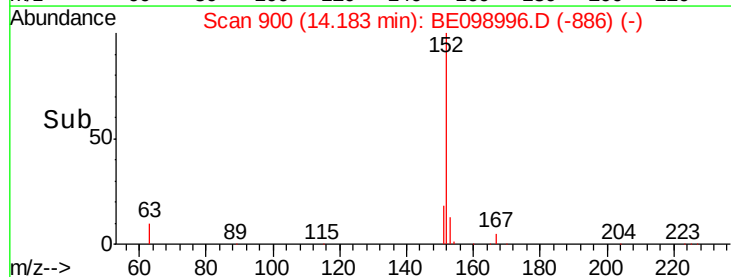
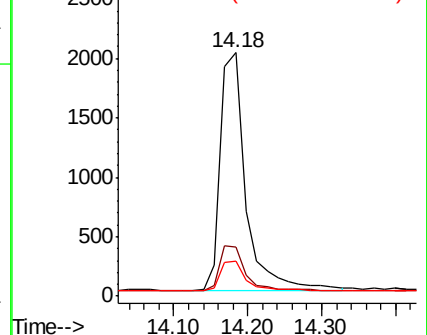
153 13.4 11.2 16.8

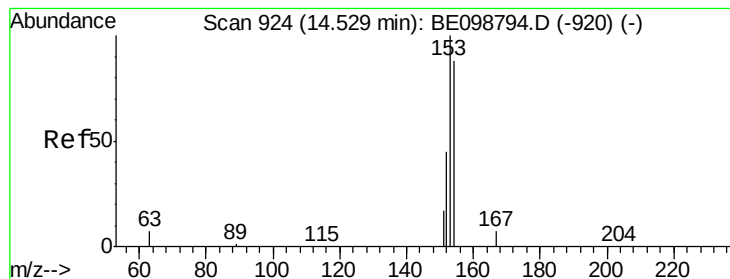


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.385 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

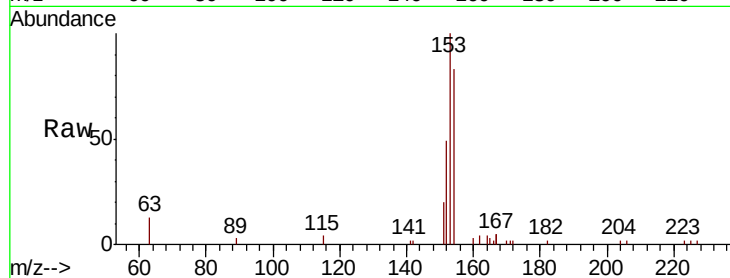
Tot Ion:154 Resp: 2870

Ion Ratio Lower Upper

154 100

153 118.7 94.2 141.4

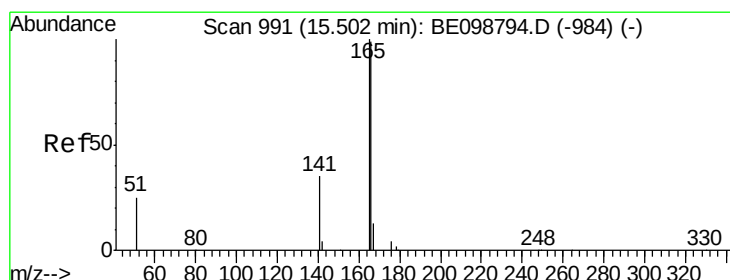
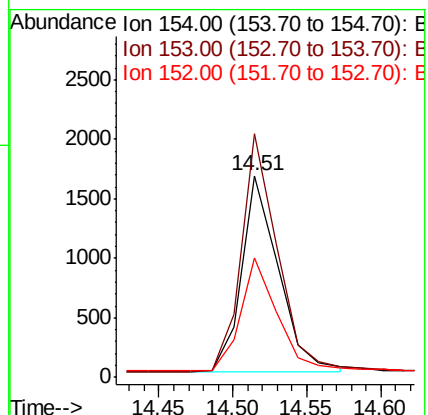
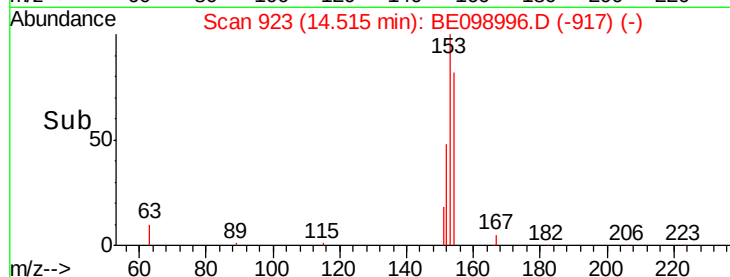
152 57.4 45.0 67.4



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: 0.373 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

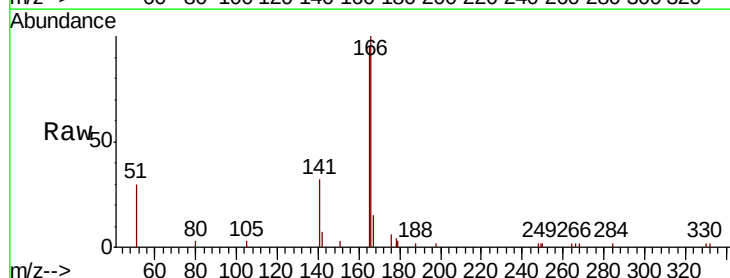
Tgt Ion:166 Resp: 4014

Ion Ratio Lower Upper

166 100

165 97.7 79.3 118.9

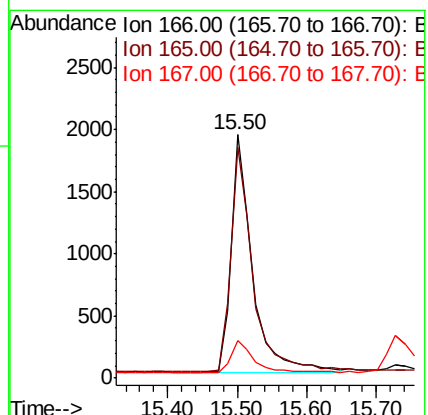
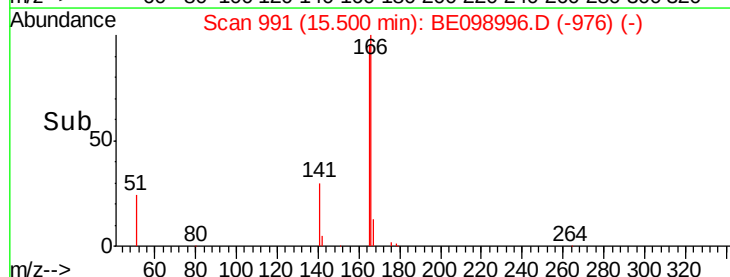
167 14.1 10.5 15.7

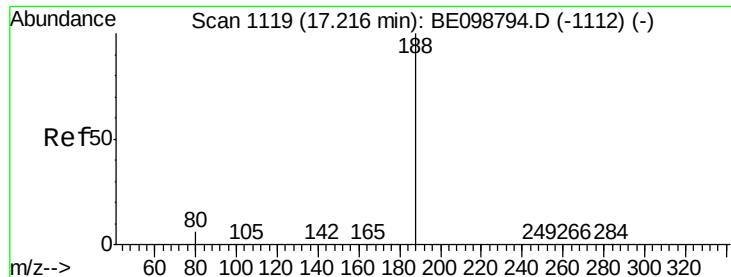


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

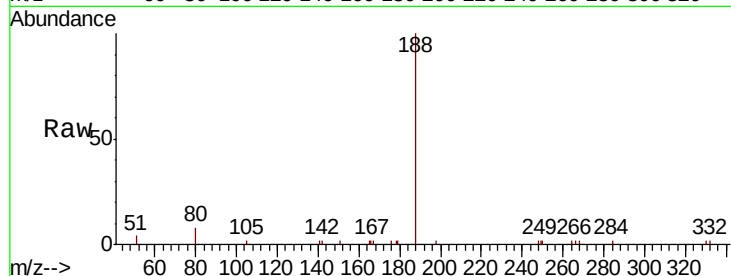
Tot Ion:188 Resp: 5570

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

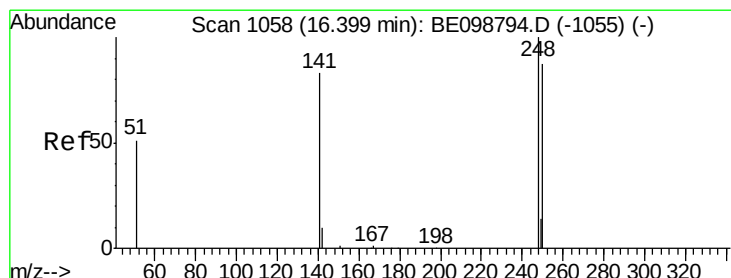
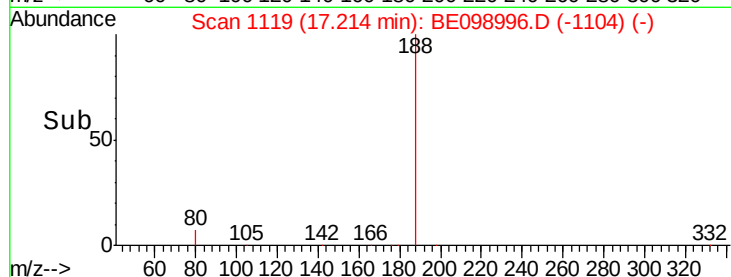
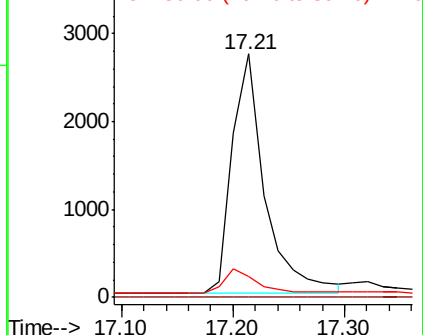
80 8.5 6.3 9.5



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: 0.447 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

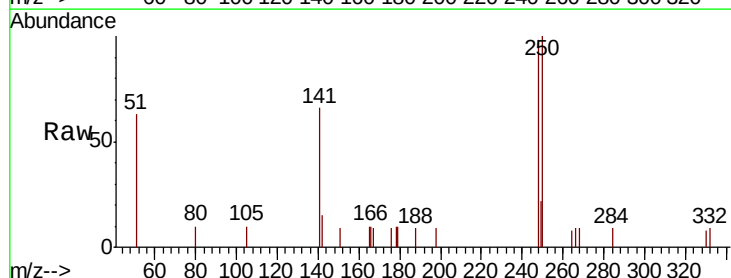
Tgt Ion:248 Resp: 1349

Ion Ratio Lower Upper

248 100

250 102.5 70.6 105.8

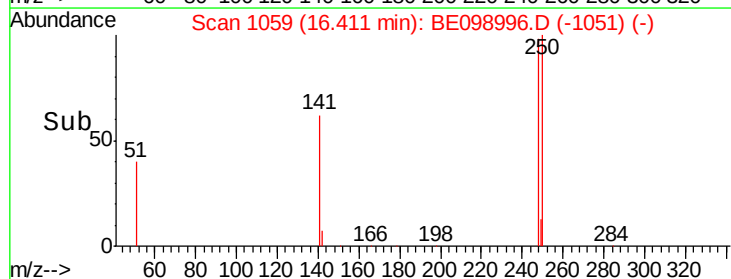
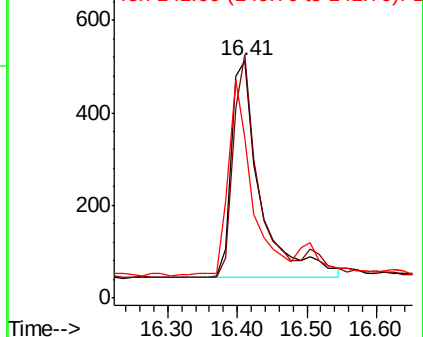
141 67.6 68.6 102.8#

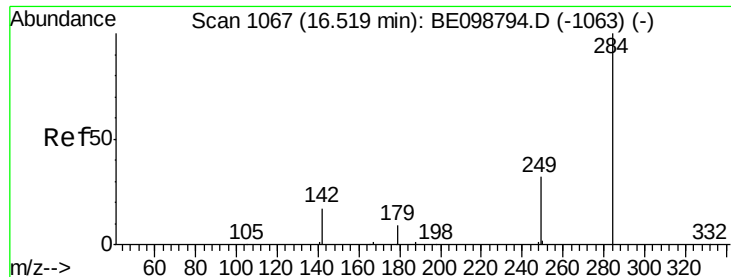


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

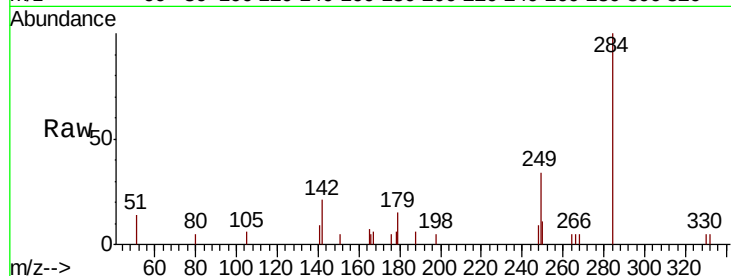




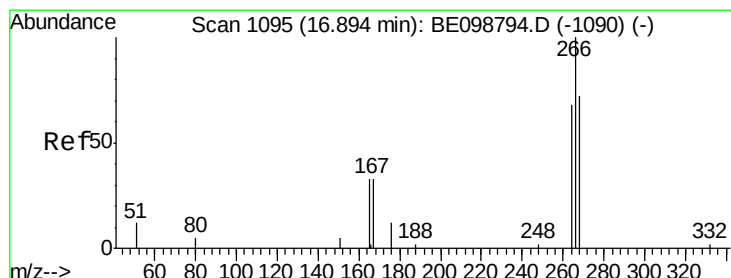
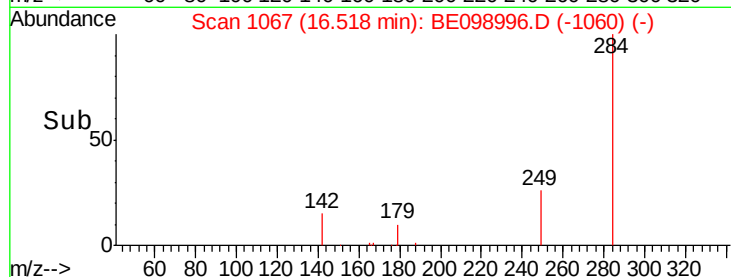
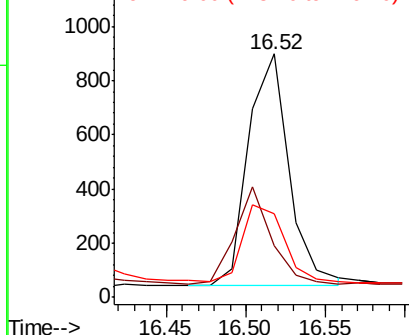
#21
Hexachlorobenzene
Concen: 0.421 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Instrument :
BNA_E
ClientSampleId :
PB117963BSD

Tot Ion:284 Resp: 1511
Ion Ratio Lower Upper
284 100
142 37.5 28.7 43.1
249 34.1 29.6 44.4

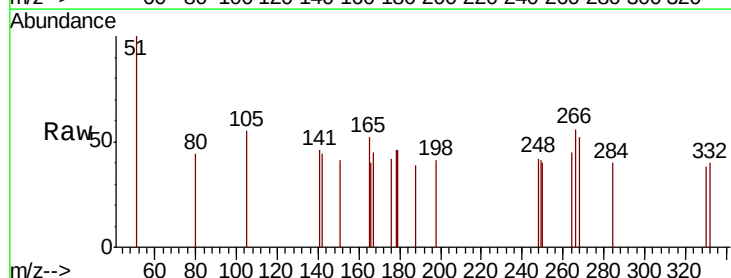


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

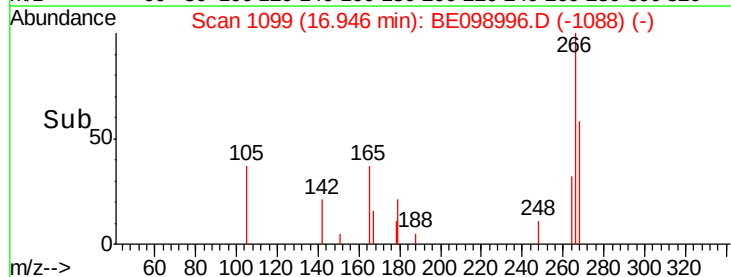
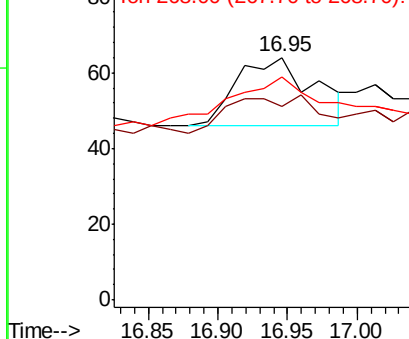


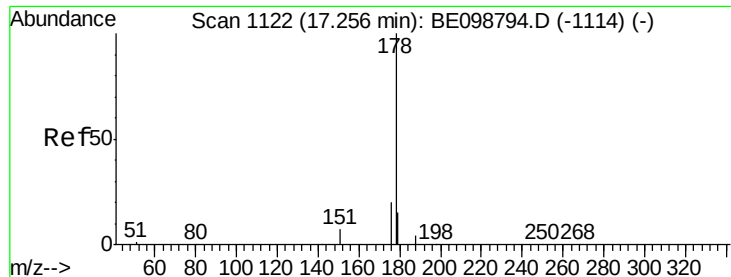
#22
Pentachlorophenol
Concen: 0.322 ng
RT: 16.95 min Scan# 1099
Delta R.T. 0.05 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Tgt Ion:266 Resp: 70
Ion Ratio Lower Upper
266 100
264 79.7 66.6 100.0
268 92.2 69.8 104.8



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: 0.403 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

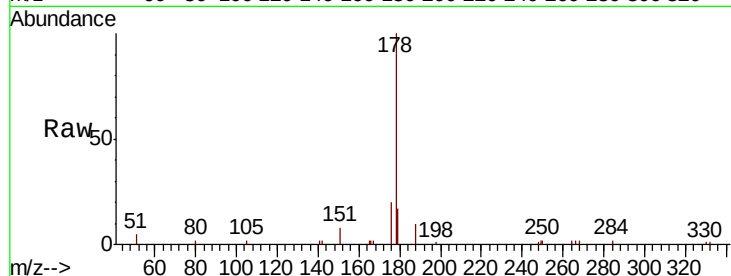
Tot Ion:178 Resp: 6384

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

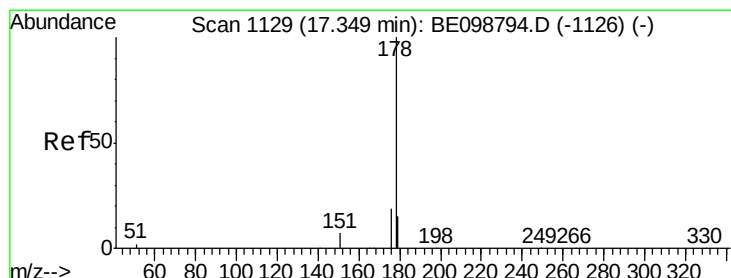
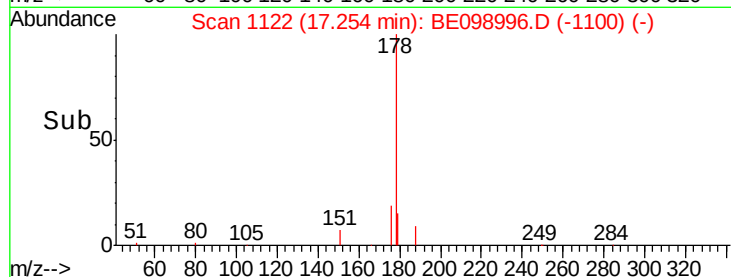
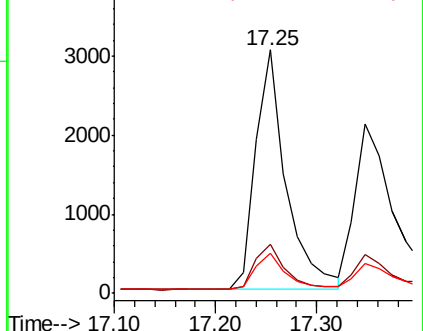
179 14.9 12.1 18.1



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: 0.353 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

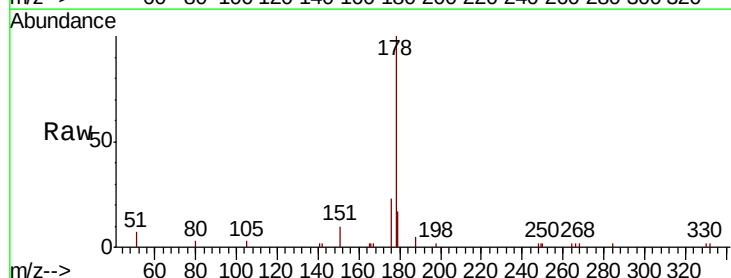
Tgt Ion:178 Resp: 4781

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

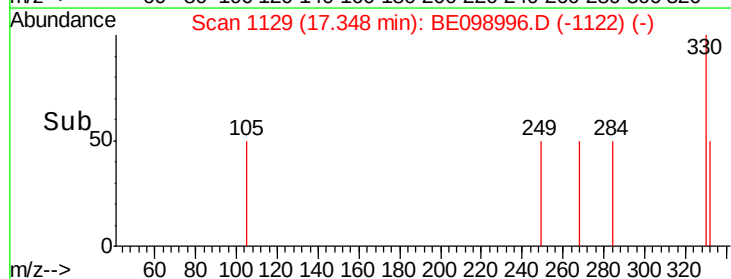
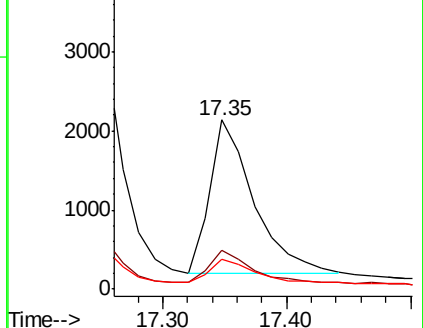
179 15.1 12.2 18.4

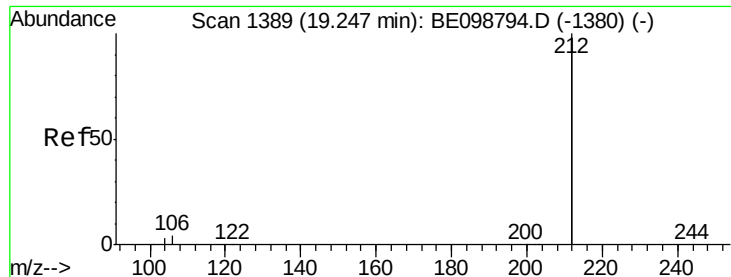


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

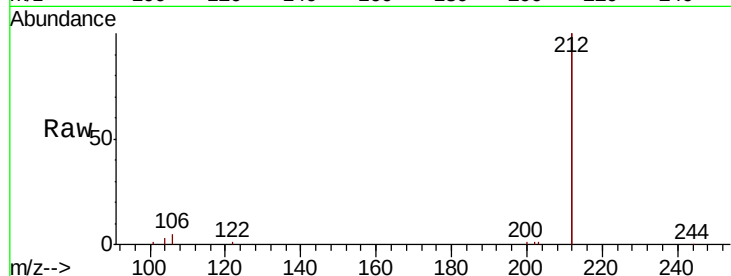
Tot Ion:212 Resp: 32228

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

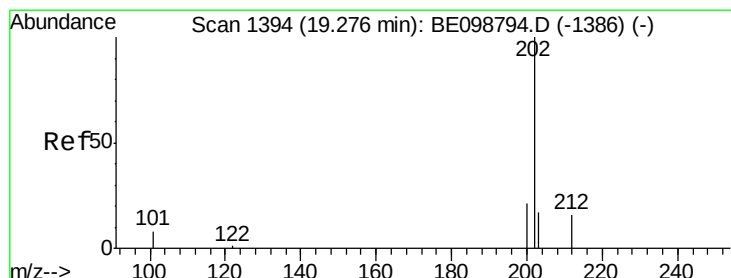
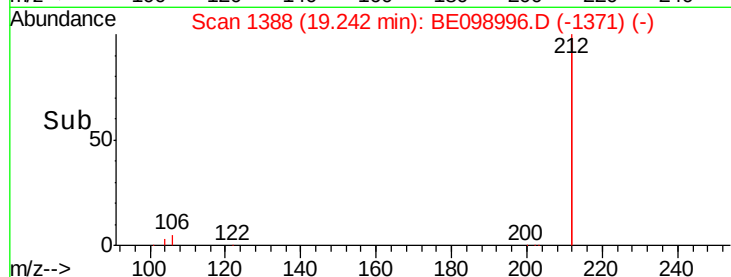
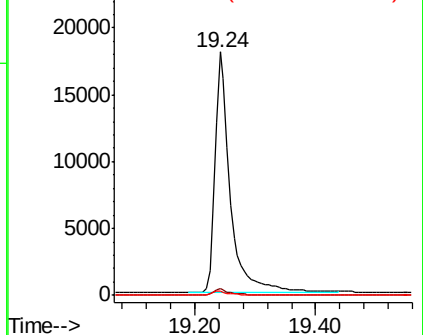
104 1.4 1.0 1.6



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: 0.373 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

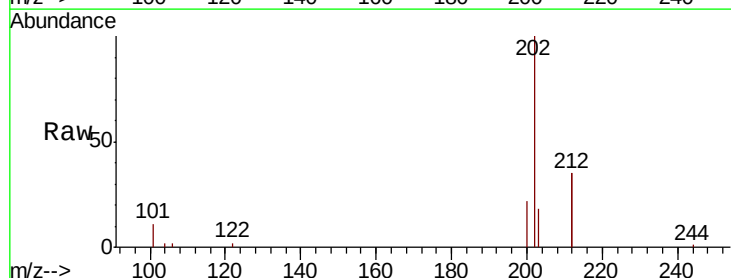
Tgt Ion:202 Resp: 8336

Ion Ratio Lower Upper

202 100

101 9.3 7.3 10.9

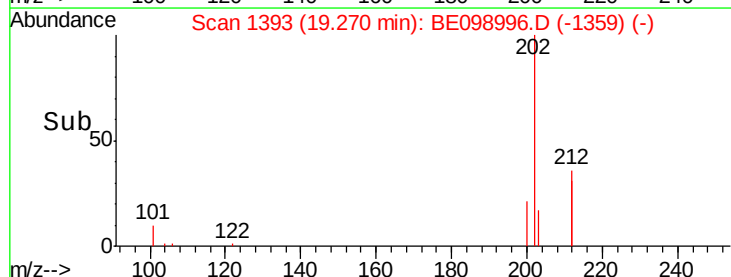
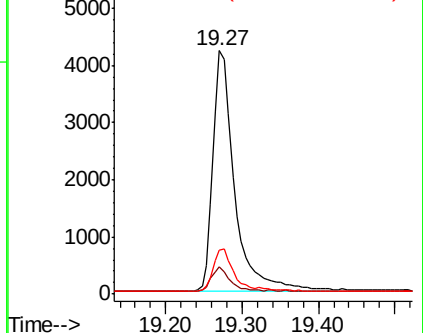
203 16.3 13.4 20.2

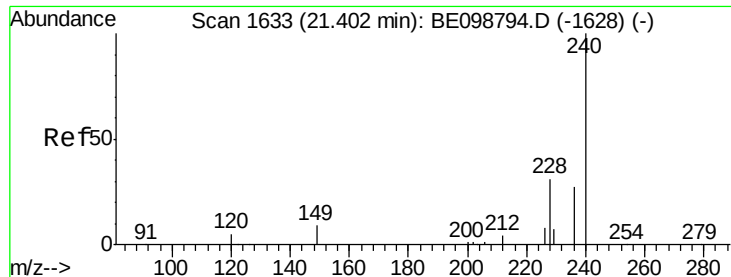


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

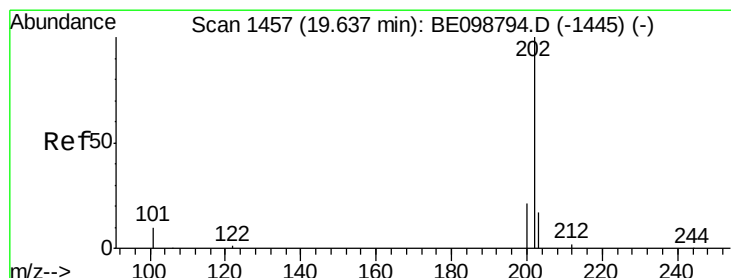
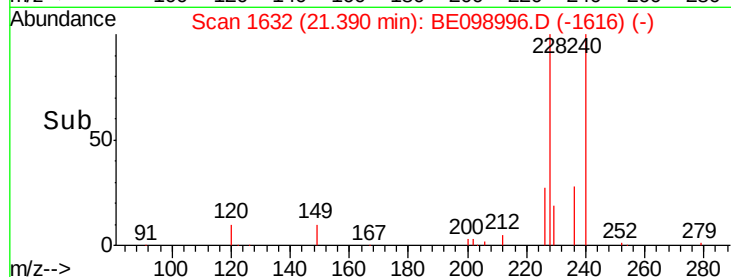
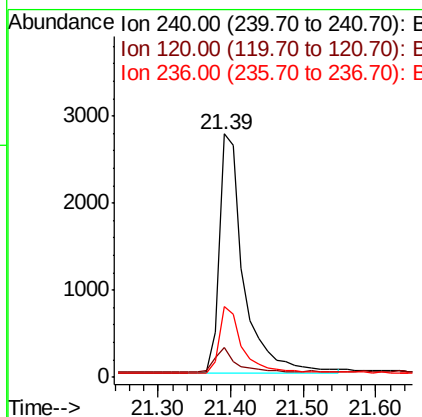
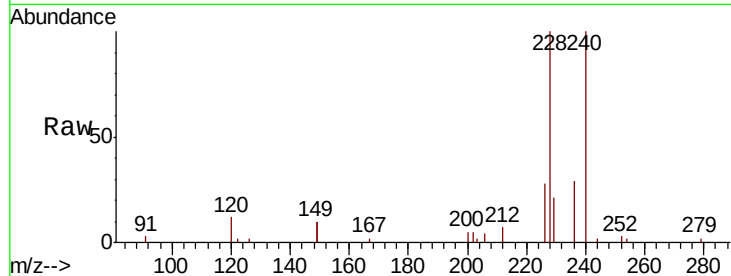




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

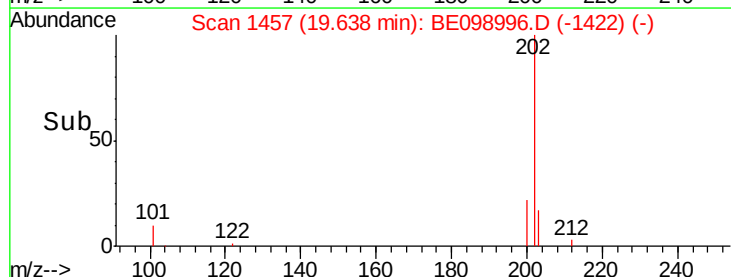
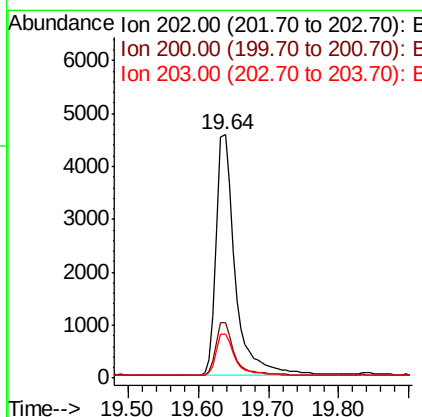
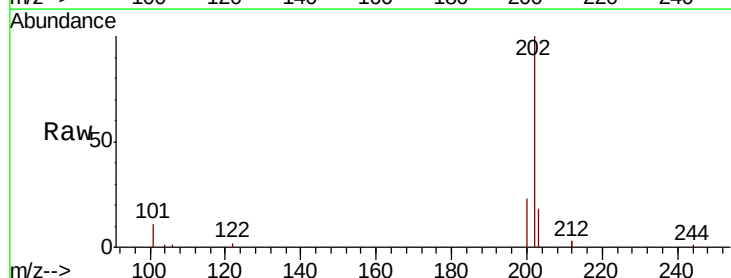
Instrument :
 BNA_E
 ClientSampleId :
 PB117963BSD

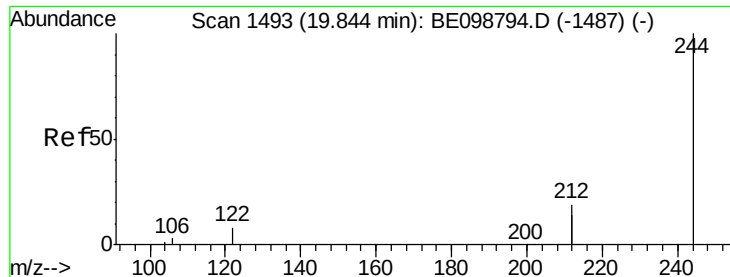
Tot Ion:240 Resp: 6490
 Ion Ratio Lower Upper
 240 100
 120 12.2 5.0 7.4#
 236 29.3 22.7 34.1



#28
 Pyrene
 Concen: 0.433 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

Tgt Ion:202 Resp: 8587
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.6
 203 17.4 14.2 21.2





#29

Terphenyl-d14

Concen: 1.206 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

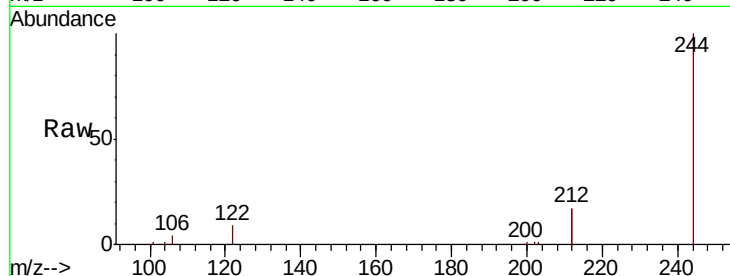
Tot Ion:244 Resp: 19016

Ion Ratio Lower Upper

244 100

212 34.6 29.4 44.2

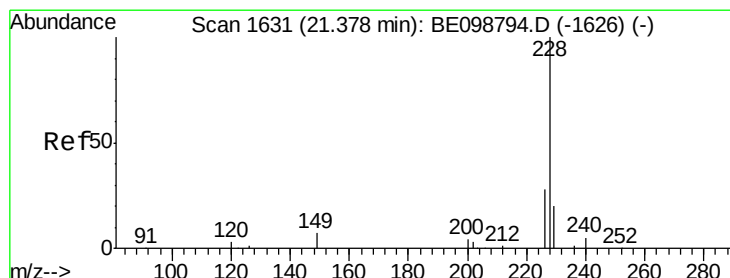
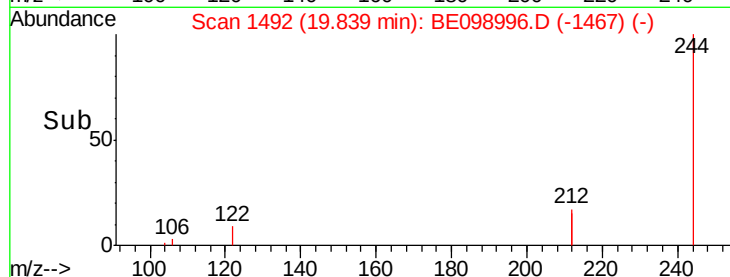
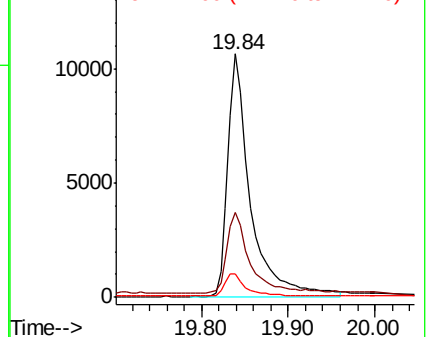
122 9.4 7.1 10.7



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: 0.359 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

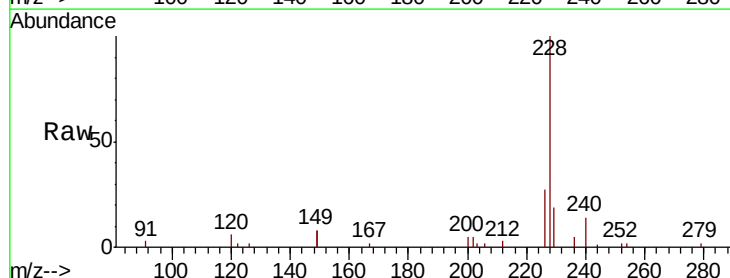
Tgt Ion:228 Resp: 7269

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

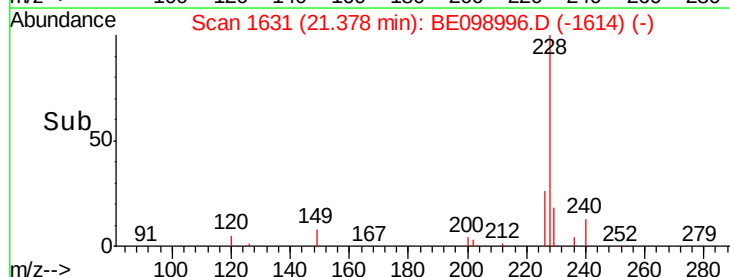
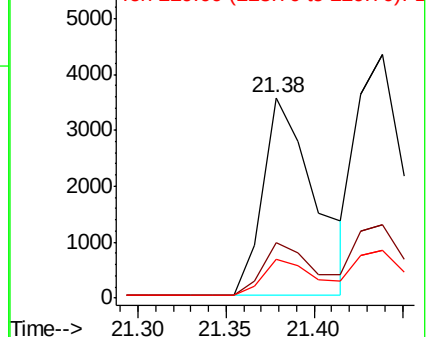
229 19.2 16.5 24.7

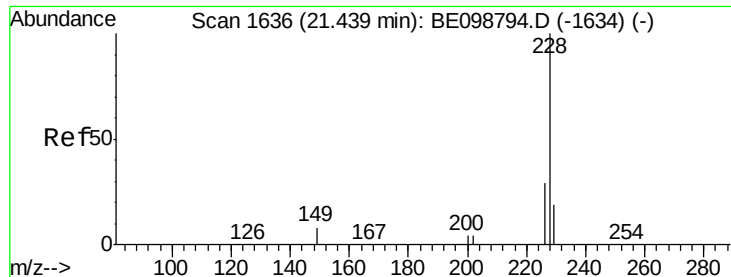


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.398 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

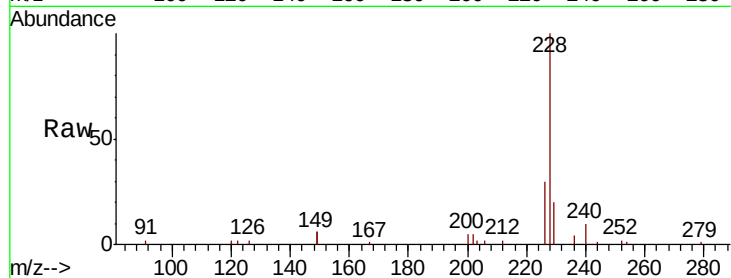
Tot Ion:228 Resp: 8621

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 19.7 16.1 24.1

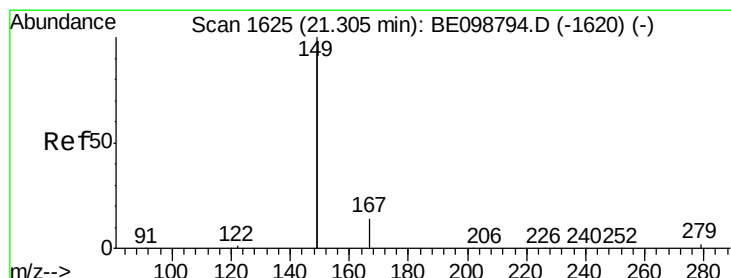
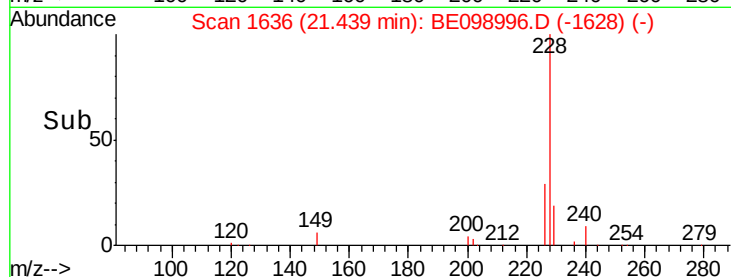
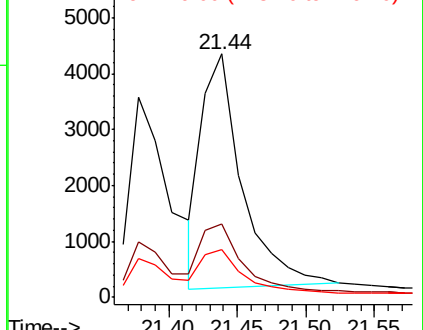


Abundance

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: 0.291 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

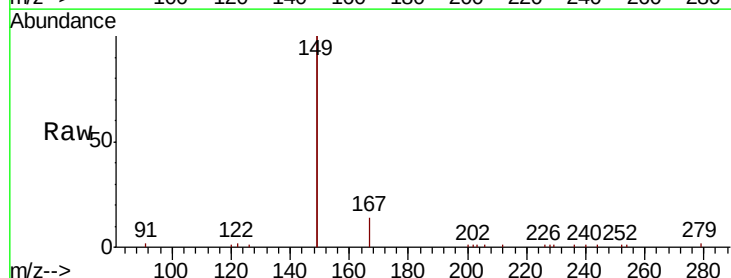
Tgt Ion:149 Resp: 12548

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 0.9 1.0 1.4#

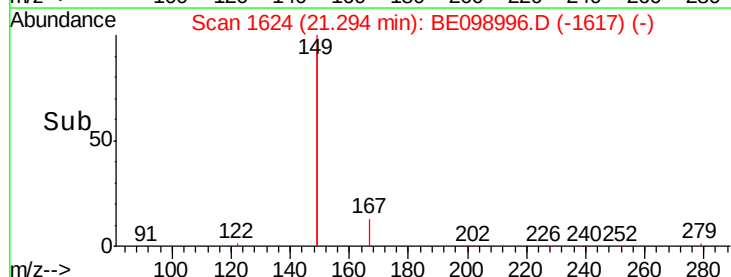
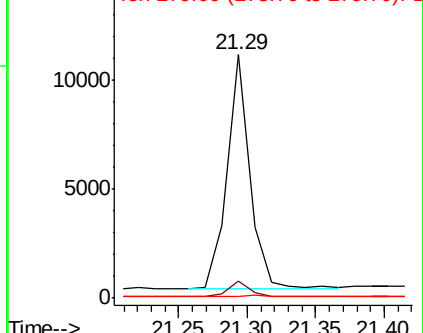


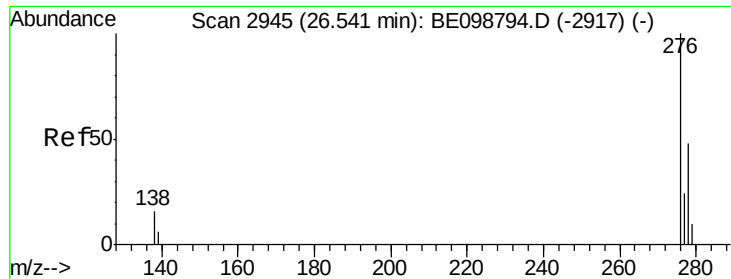
Abundance

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

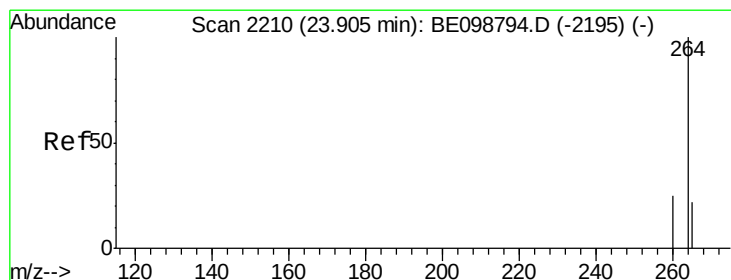
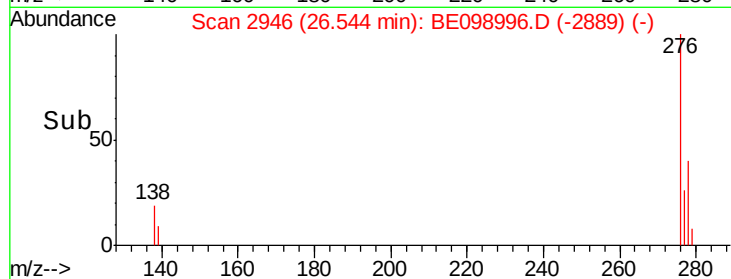
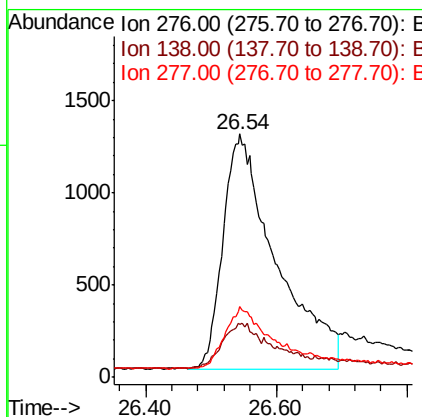
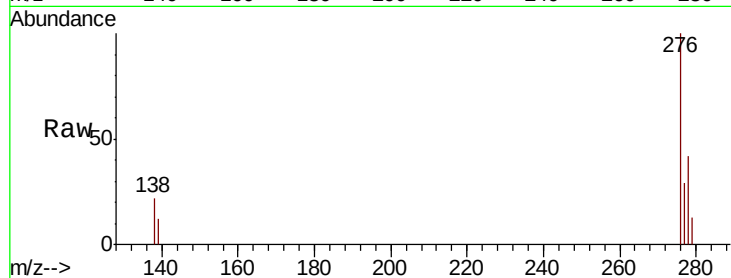




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.313 ng
 RT: 26.54 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

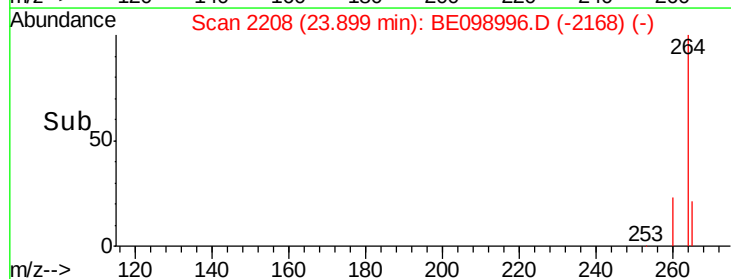
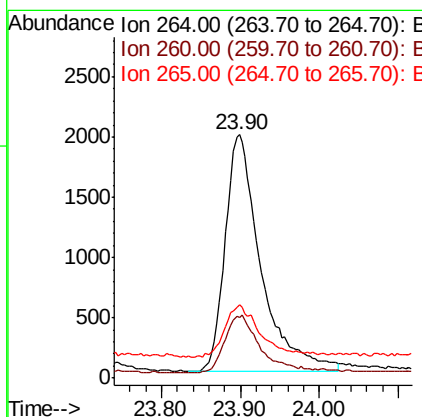
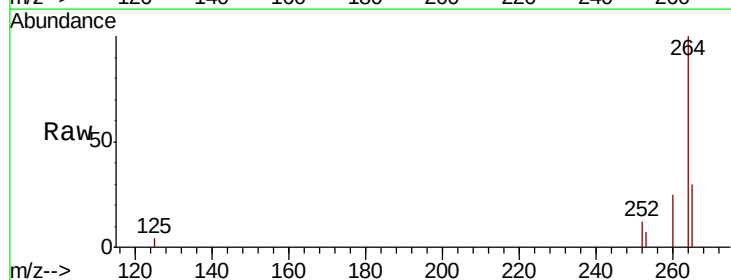
Instrument :
 BNA_E
 ClientSampleId :
 PB117963BSD

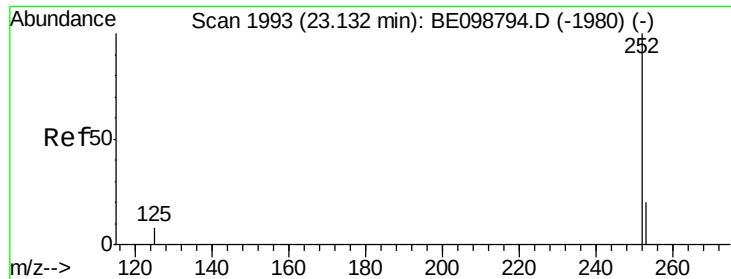
Tot Ion:276 Resp: 7152
 Ion Ratio Lower Upper
 276 100
 138 12.2 13.8 20.8#
 277 22.5 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BE098996.D
 Acq: 18 Mar 2019 12:10

Tgt Ion:264 Resp: 6176
 Ion Ratio Lower Upper
 264 100
 260 24.8 21.2 31.8
 265 29.9 24.6 36.8

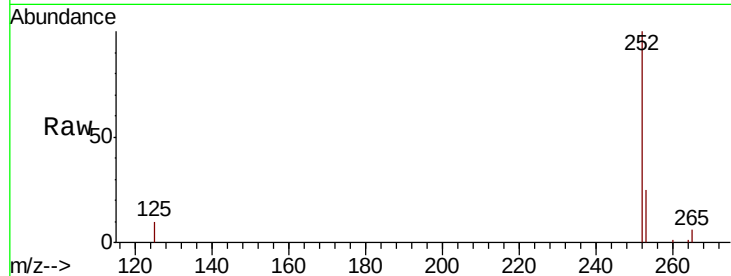




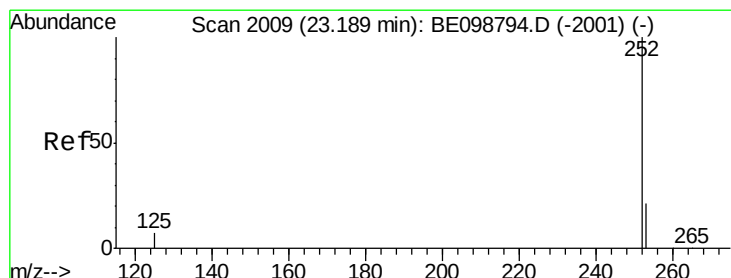
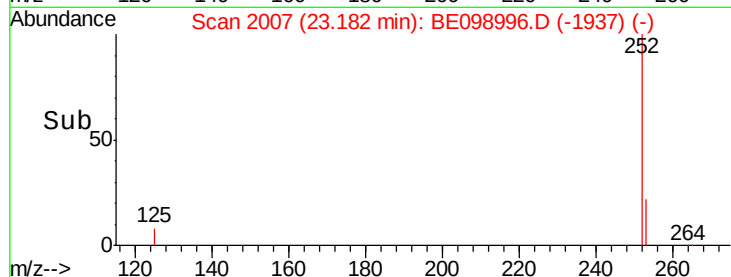
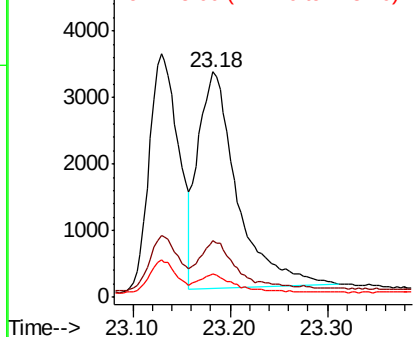
#35
Benzo(b)fluoranthene
Concen: 0.446 ng
RT: 23.18 min Scan# 2007
Delta R.T. 0.05 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Instrument :
BNA_E
ClientSampleId :
PB117963BSD

Tot Ion:252 Resp: 9054
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 10.2 7.3 10.9

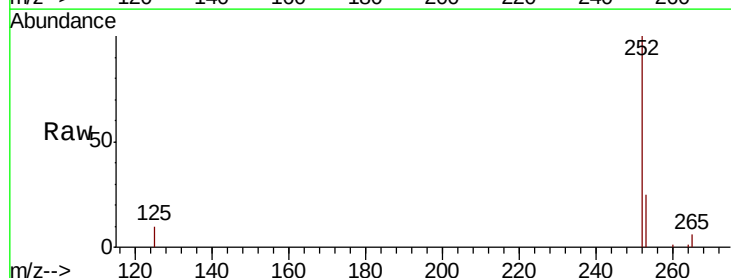


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

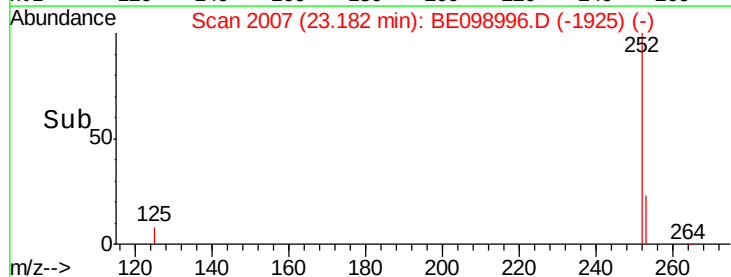
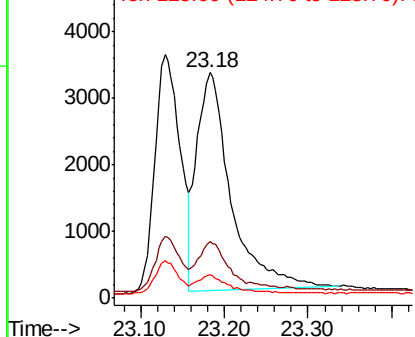


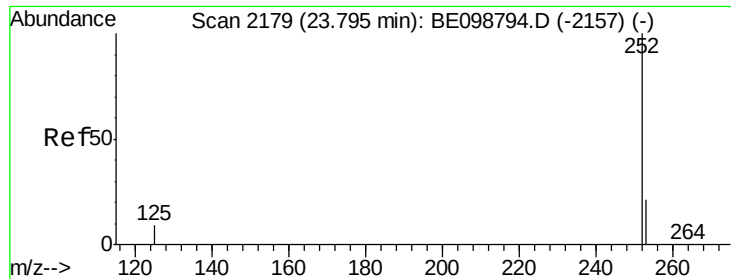
#36
Benzo(k)fluoranthene
Concen: 0.437 ng
RT: 23.18 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BE098996.D
Acq: 18 Mar 2019 12:10

Tgt Ion:252 Resp: 9293
Ion Ratio Lower Upper
252 100
253 25.2 19.3 28.9
125 10.2 7.5 11.3



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: 0.405 ng

RT: 23.79 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

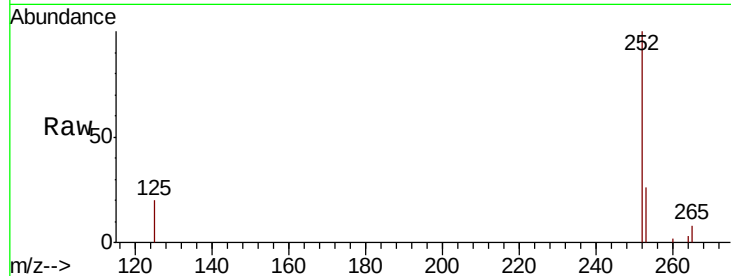
Tot Ion:252 Resp: 7877

Ion Ratio Lower Upper

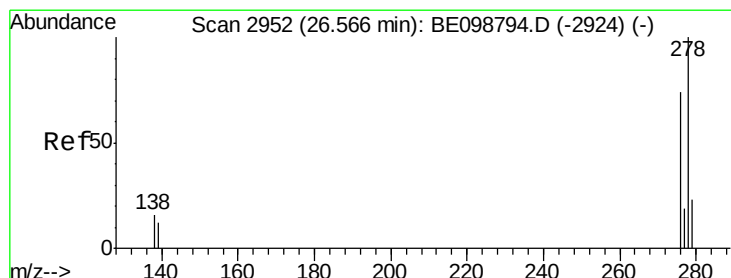
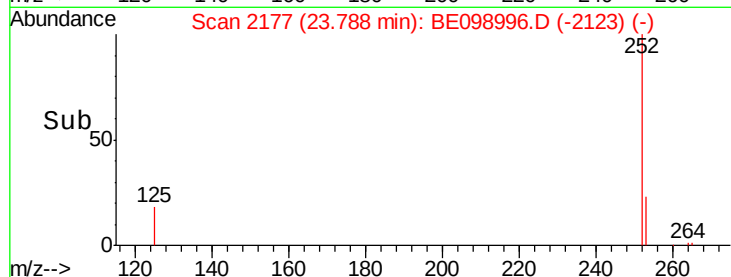
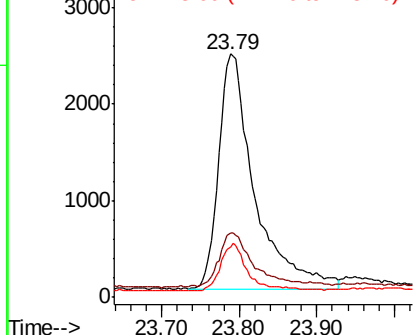
252 100

253 26.4 19.9 29.9

125 20.5 9.0 13.4#



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: 0.085 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

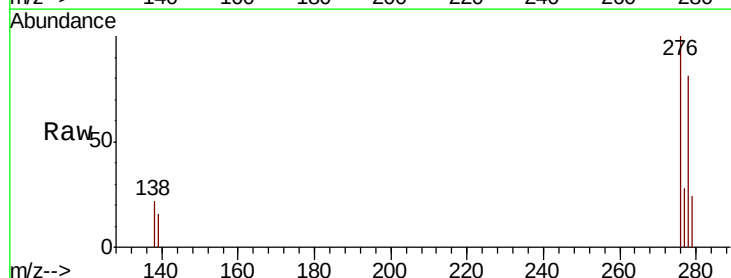
Tgt Ion:278 Resp: 1561

Ion Ratio Lower Upper

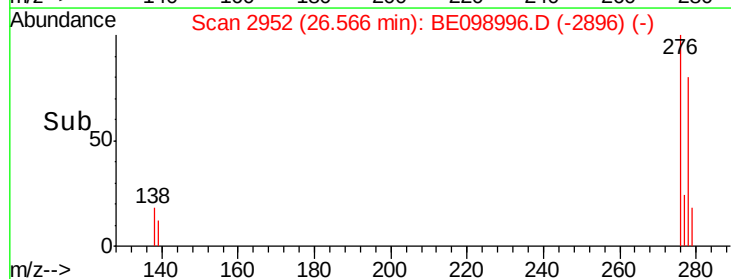
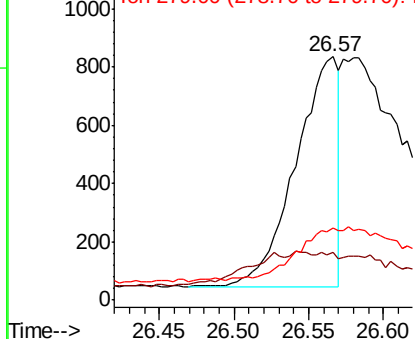
278 100

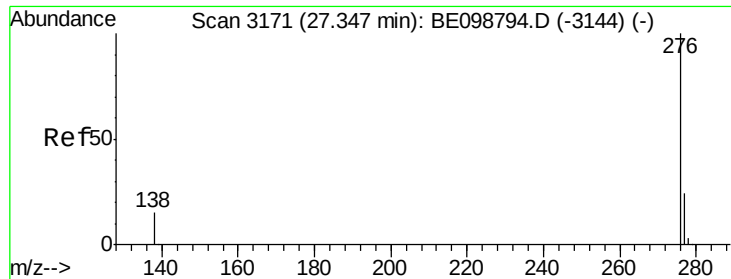
139 19.9 11.8 17.6#

279 29.7 21.1 31.7



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: 0.313 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE098996.D

Acq: 18 Mar 2019 12:10

Instrument :

BNA_E

ClientSampleId :

PB117963BSD

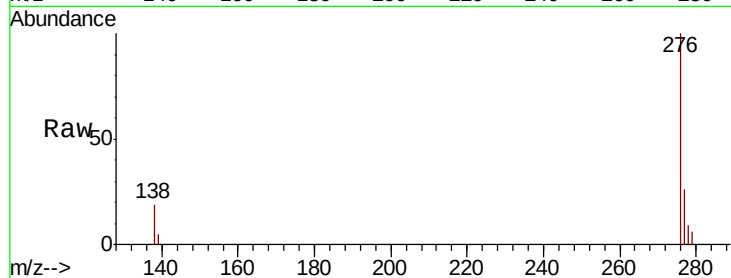
Tot Ion:276 Resp: 6026

Ion Ratio Lower Upper

276 100

277 26.5 20.4 30.6

138 19.2 13.6 20.4



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

