

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098603.D
 Acq On : 2 Jan 2019 11:38
 Operator : SJ/JU
 Sample : J659-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 02 13:30:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1131	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4427	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3267	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	6104	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10328	0.40	ng	0.02
34) Perylene-d12	23.98	264	7405	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	867	0.33	ng	0.01
5) Phenol-d6	6.99	99	1535	0.41	ng	0.00
8) Nitrobenzene-d5	8.96	82	1673	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2138	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	403	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	2926	0.21	ng	0.02
25) Fluoranthene-d10	19.26	212	21379	0.27	ng	0.01
29) Terphenyl-d14	19.87	244	5436	0.22	ng	0.02

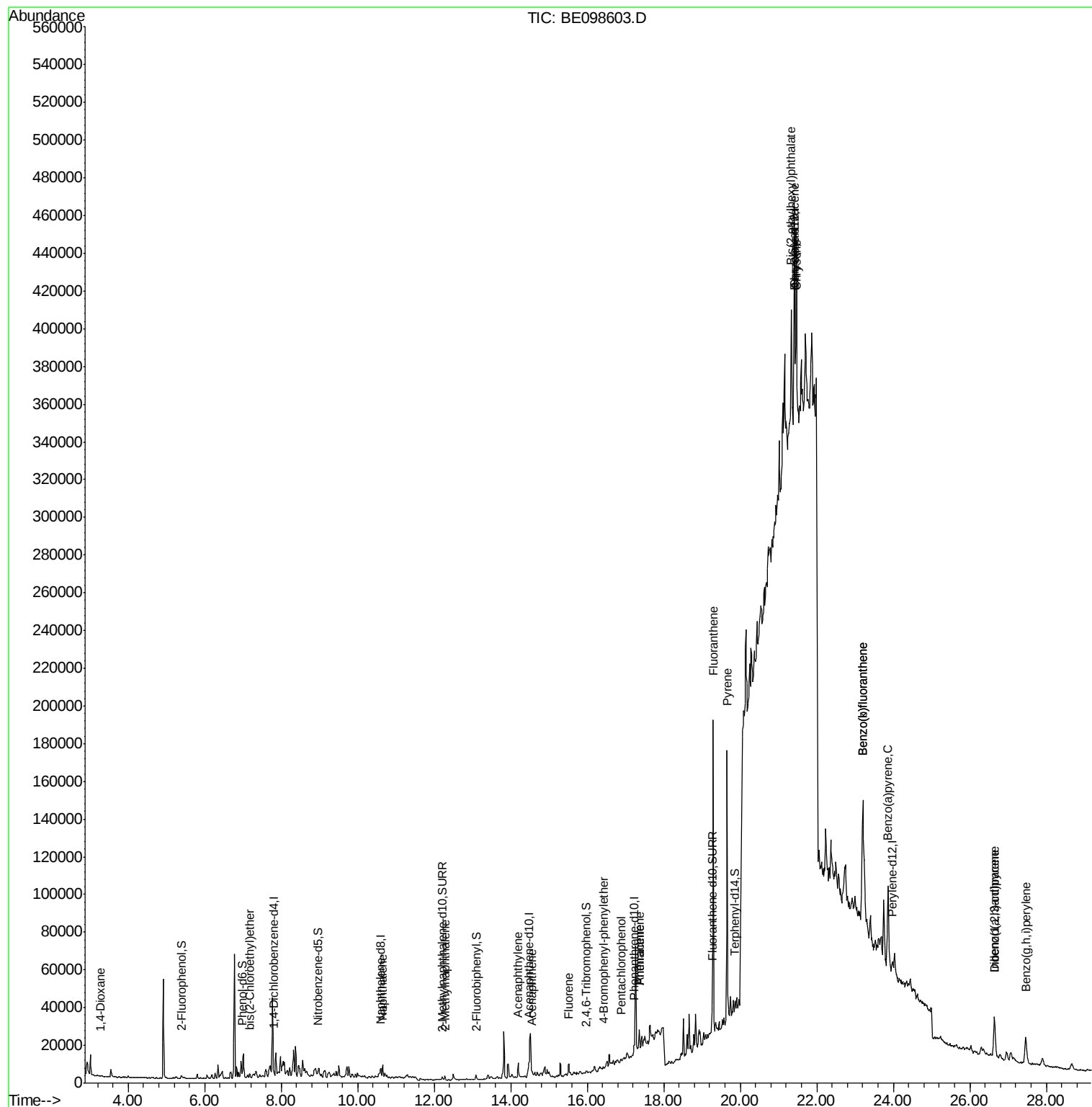
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	93	0.048	ng	# 43
6) bis(2-Chloroethyl)ether	7.18	93	96	0.027	ng	# 1
9) Naphthalene	10.65	128	11078	0.249	ng	# 95
12) 2-Methylnaphthalene	12.28	142	1616	0.223	ng	# 90
16) Acenaphthylene	14.20	152	8338	0.545	ng	# 92
17) Acenaphthene	14.54	154	1516	0.165	ng	# 89
18) Fluorene	15.52	166	4842	0.394	ng	# 94
20) 4-Bromophenyl-phenylether	16.44	248	158	0.048	ng	# 1
22) Pentachlorophenol	16.88	266	142	0.266	ng	# 57
23) Phenanthrene	17.36	178	14925	1.006	ng	# 98
24) Anthracene	17.36	178	12631	0.955	ng	# 99
26) Fluoranthene	19.29	202	151675	7.729	ng	# 97
28) Pyrene	19.65	202	136567	4.214	ng	# 92
30) Benzo(a)anthracene	21.41	228	104970	3.569	ng	# 87
31) Chrysene	21.46	228	89615	2.909	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.33	149	102747	1.720	ng	# 90
33) Indeno(1,2,3-cd)pyrene	26.64	276	40943	1.336	ng	# 93
35) Benzo(b)fluoranthene	23.20	252	116864	5.771	ng	# 1
36) Benzo(k)fluoranthene	23.20	252	116864	4.954	ng	# 1
37) Benzo(a)pyrene	23.86	252	73144	3.501	ng	# 1
38) Dibenzo(a,h)anthracene	26.65	278	10678	0.543	ng	# 1
39) Benzo(g,h,i)perylene	27.46	276	37682	1.900	ng	# 82

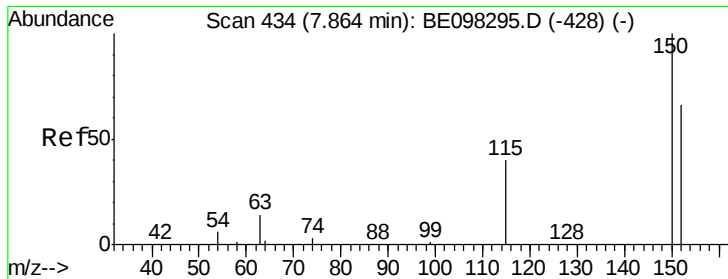
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampled :

Quant Time: Jan 02 13:29:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
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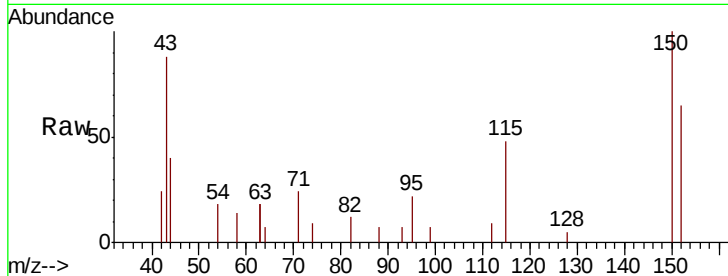


#1

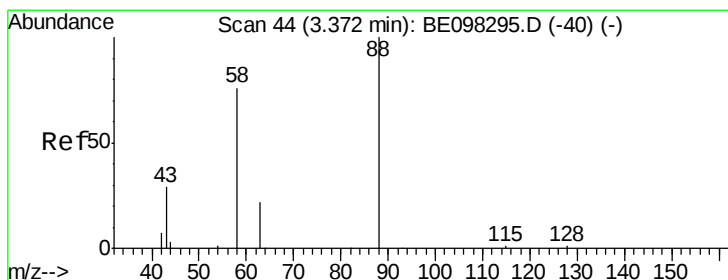
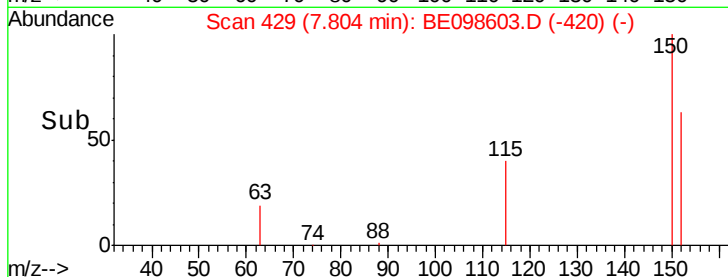
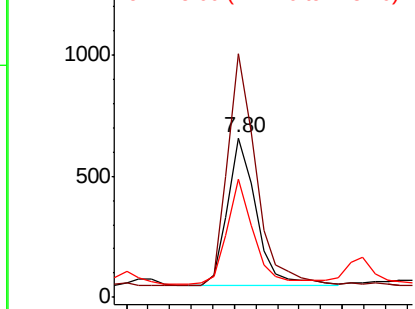
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1131
Ion Ratio Lower Upper
152 100
150 152.7 124.2 186.4
115 74.0 53.9 80.9



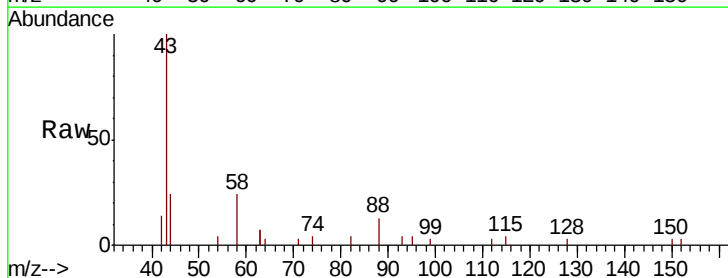
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



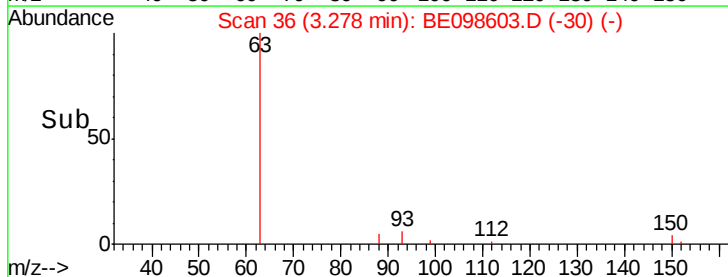
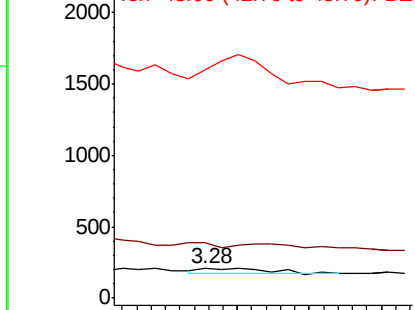
#2

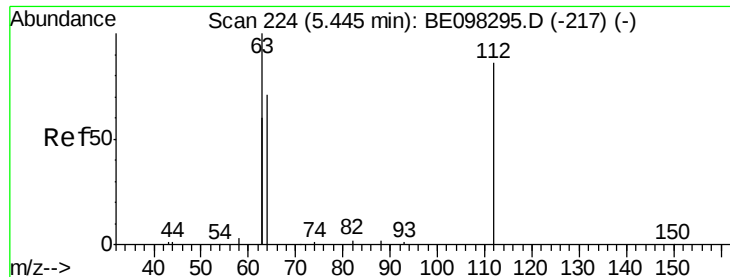
1,4-Dioxane
Concen: 0.048 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.03 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
58 45.2 75.0 112.6#
43 0.0 38.3 57.5#



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





#4

2-Fluorophenol

Concen: 0.328 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampled :

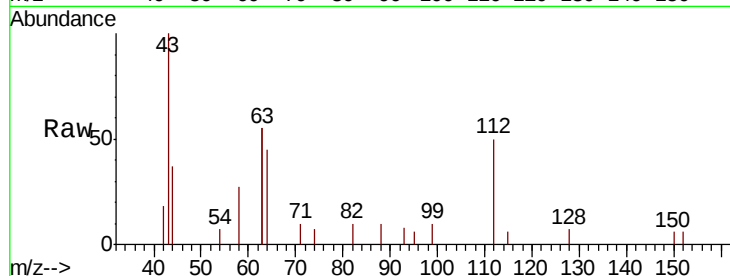
Tot Ion:112 Resp: 867

Ion Ratio Lower Upper

112 100

64 89.9 59.8 89.8#

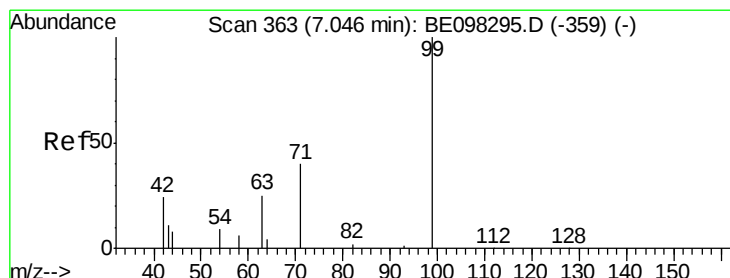
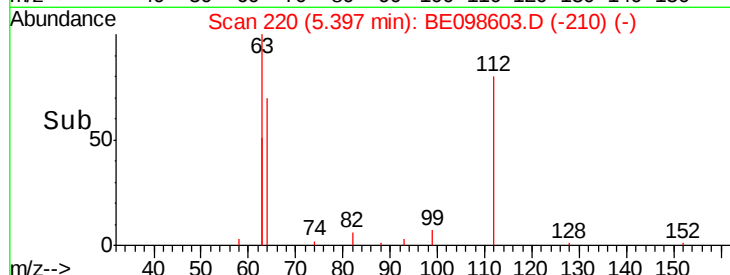
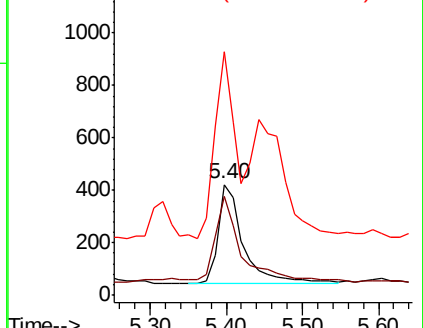
63 149.9 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.409 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

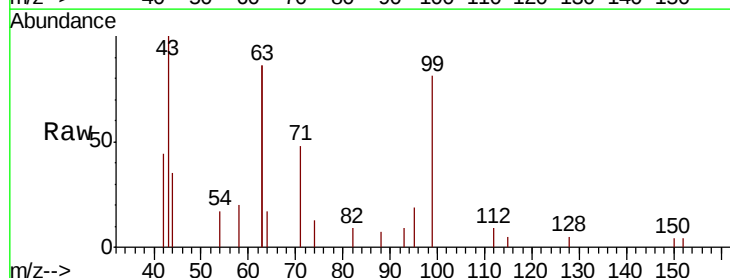
Tgt Ion: 99 Resp: 1535

Ion Ratio Lower Upper

99 100

42 0.0 26.3 39.5#

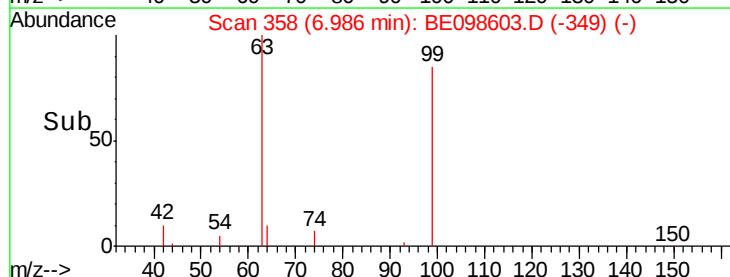
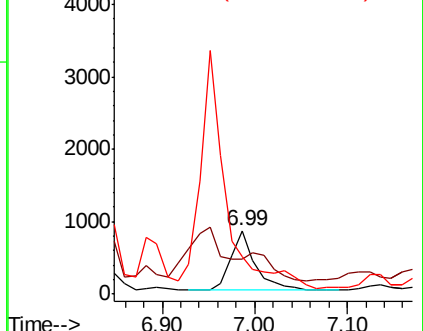
71 0.0 33.6 50.4#

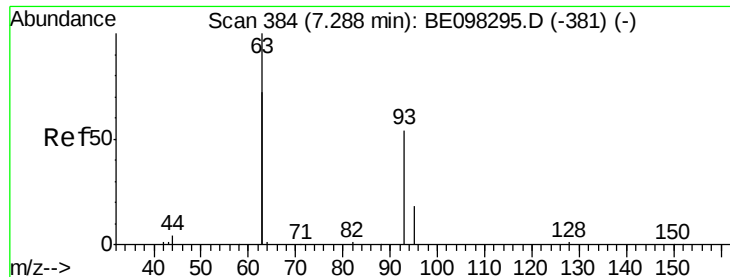


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.027 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.05 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

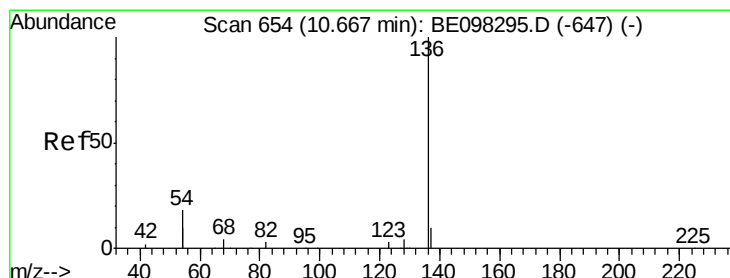
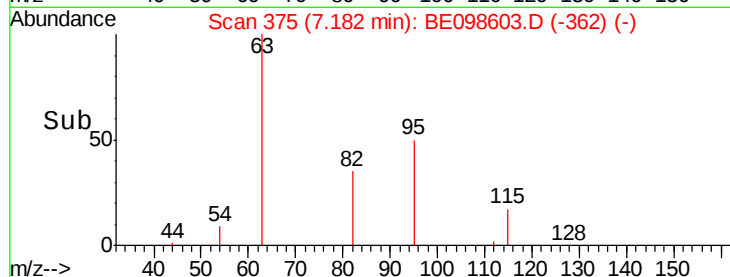
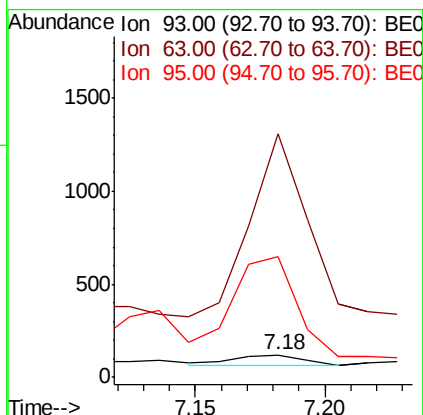
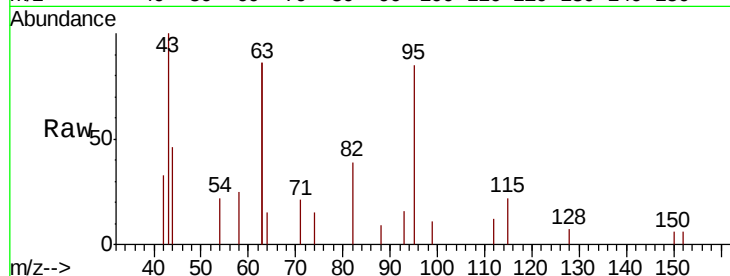
Tot Ion: 93 Resp: 96

Ion Ratio Lower Upper

93 100

63 1622.9 264.4 396.6#

95 1044.8 26.6 40.0#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Tgt Ion: 136 Resp: 4427

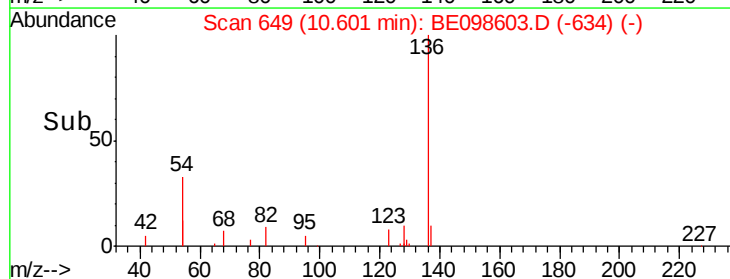
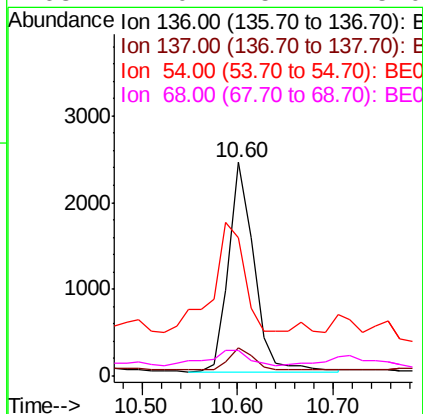
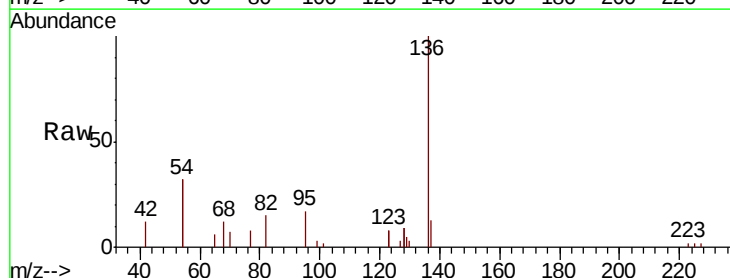
Ion Ratio Lower Upper

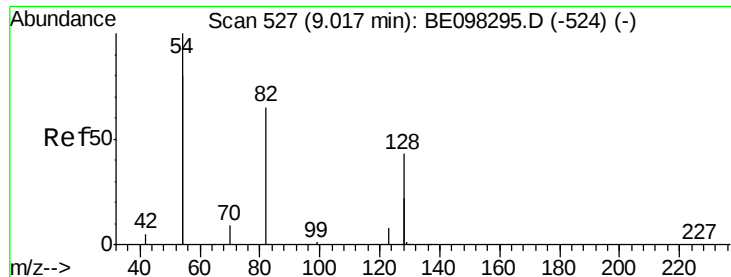
136 100

137 13.3 9.2 13.8

54 64.4 28.4 42.6#

68 12.0 5.4 8.0#





#8

Nitrobenzene-d5

Concen: 0.415 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

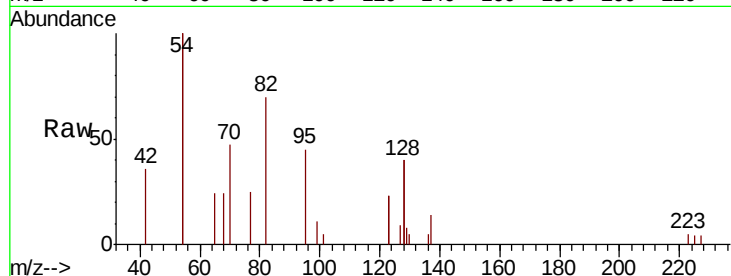
Tot Ion: 82 Resp: 1673

Ion Ratio Lower Upper

82 100

128 114.9 102.4 153.6

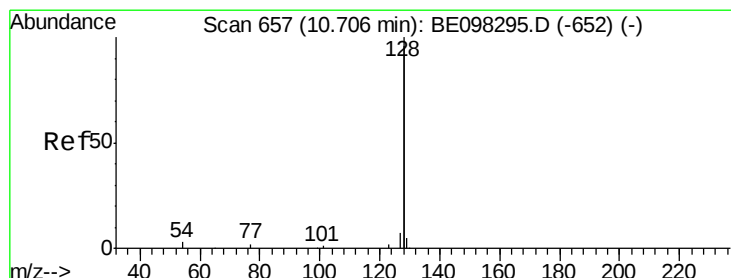
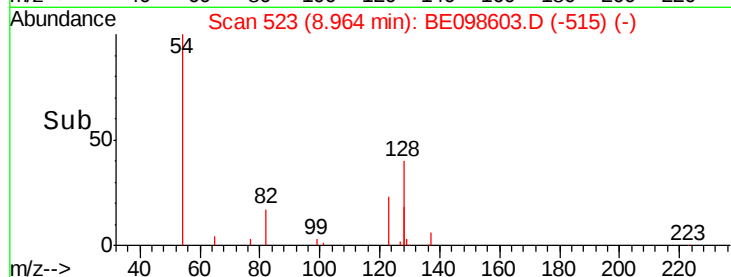
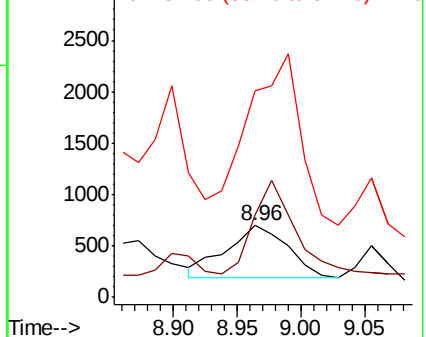
54 287.1 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.249 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

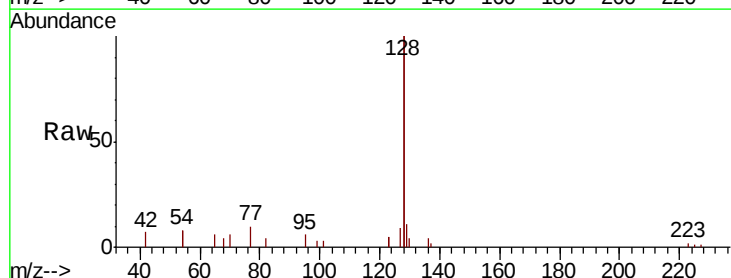
Tgt Ion: 128 Resp: 11078

Ion Ratio Lower Upper

128 100

129 5.3 2.5 3.7#

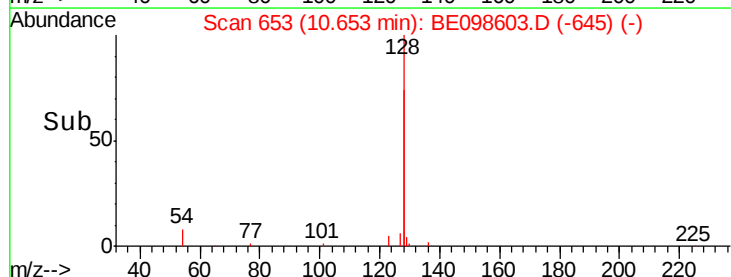
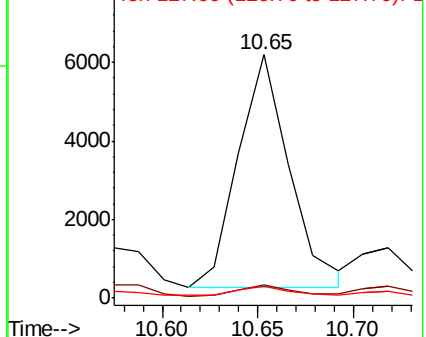
127 4.7 2.7 4.1#

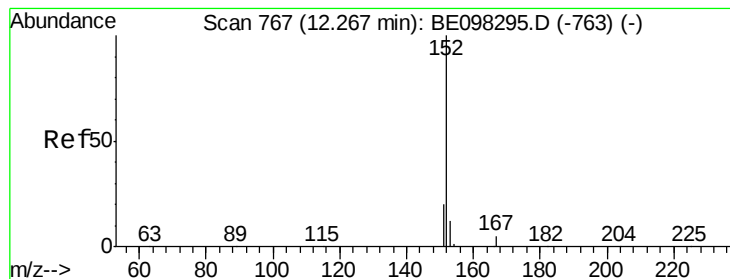


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.297 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

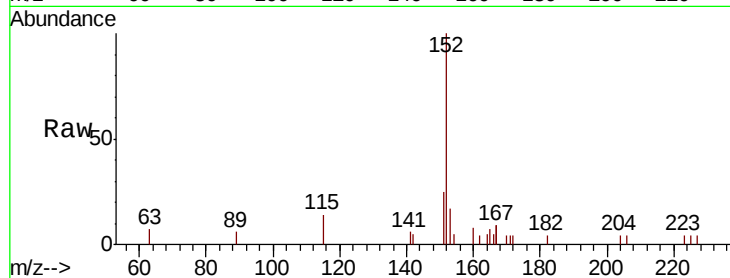
ClientSampled :

Tot Ion:152 Resp: 2138

Ion Ratio Lower Upper

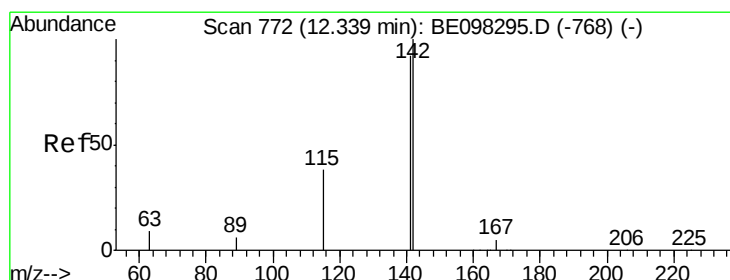
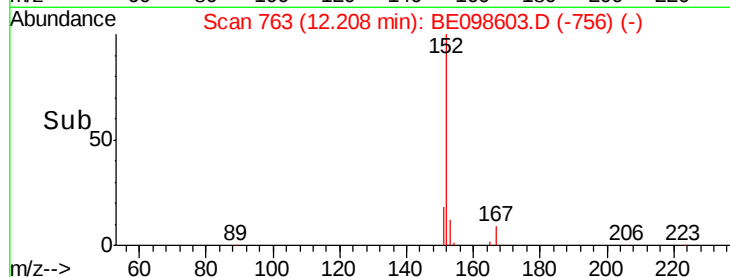
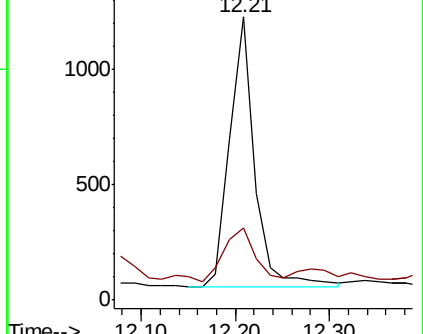
152 100

151 24.6 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.223 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

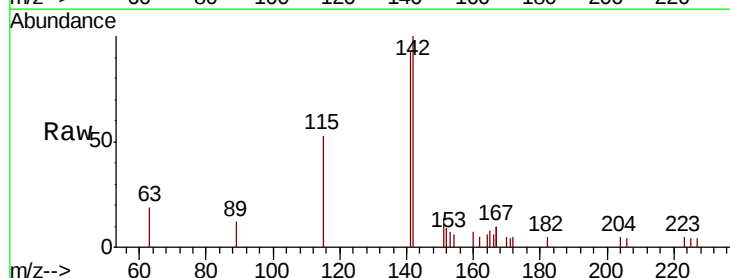
Tgt Ion:142 Resp: 1616

Ion Ratio Lower Upper

142 100

141 93.0 71.0 106.6

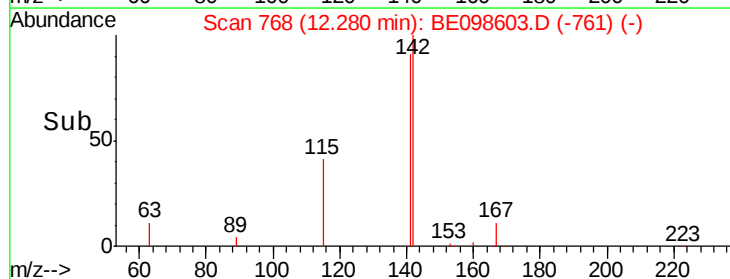
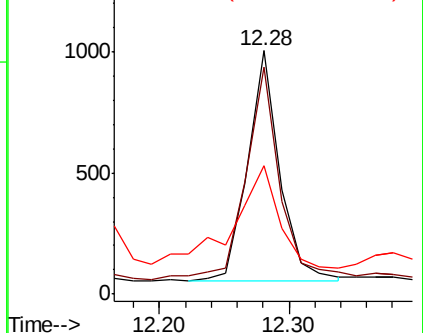
115 52.9 32.2 48.2#

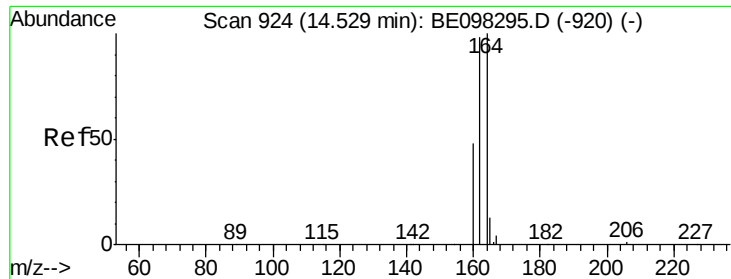


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

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ClientSampleId :

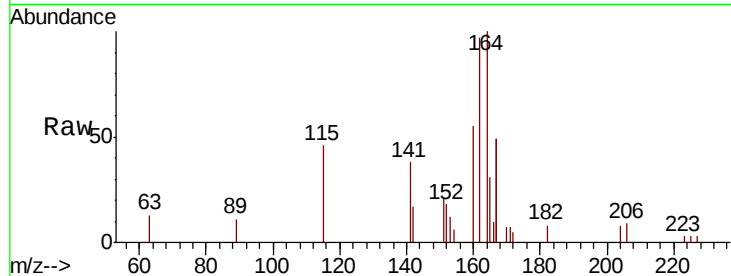
Tot Ion:164 Resp: 3267

Ion Ratio Lower Upper

164 100

162 97.5 77.6 116.4

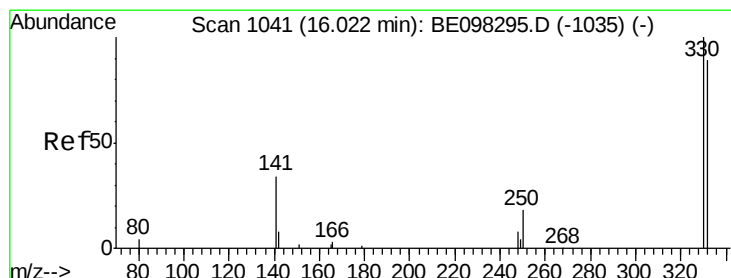
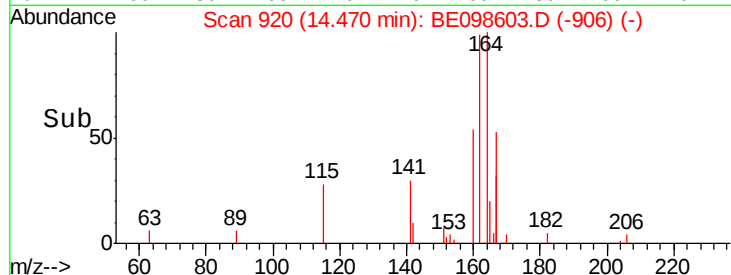
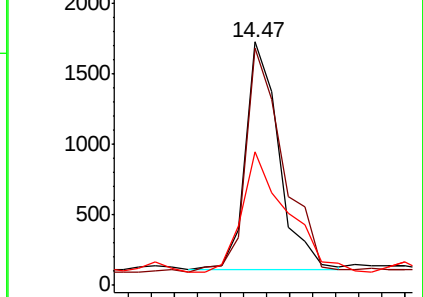
160 54.6 36.0 54.0#



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: 0.336 ng

RT: 15.96 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

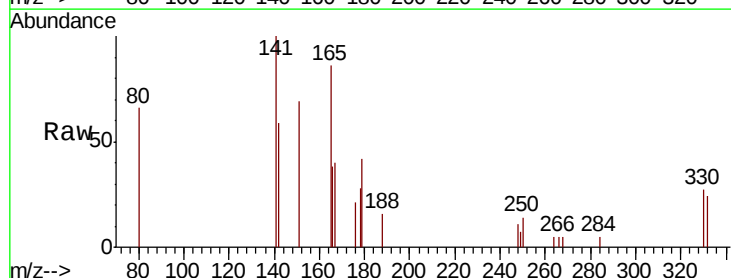
Tgt Ion:330 Resp: 403

Ion Ratio Lower Upper

330 100

332 98.0 76.2 114.4

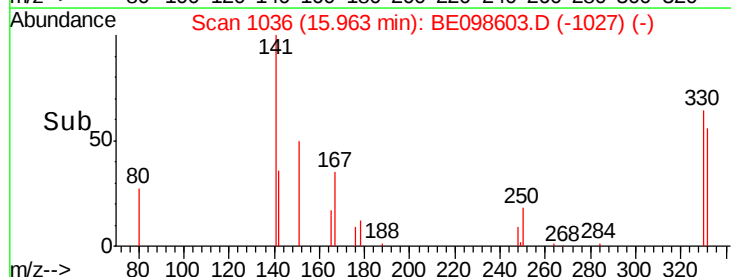
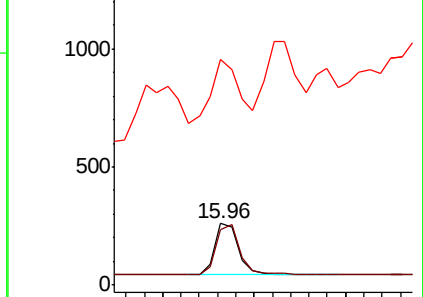
141 136.2 39.0 58.4#

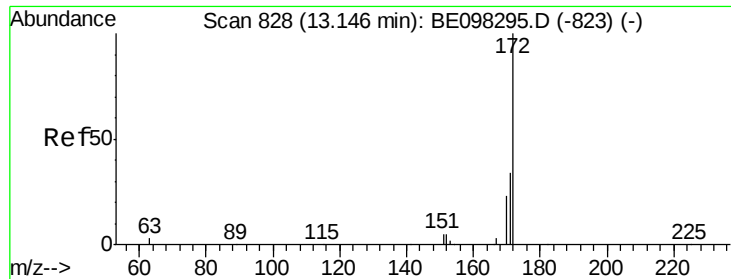


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

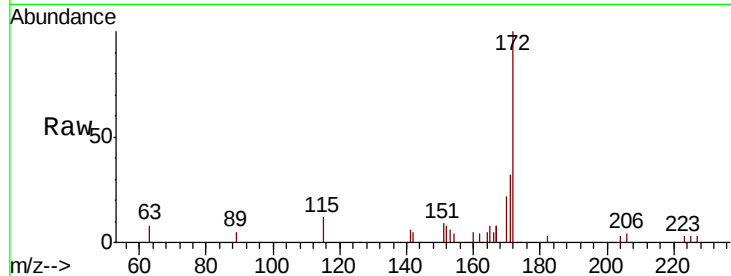




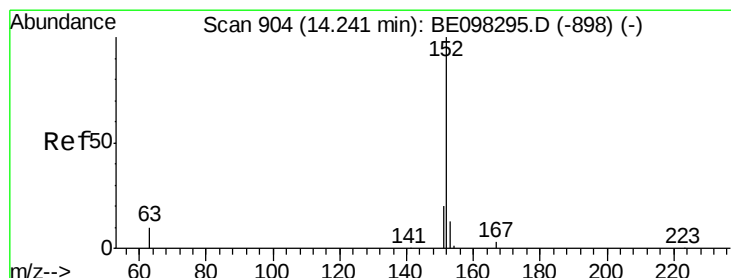
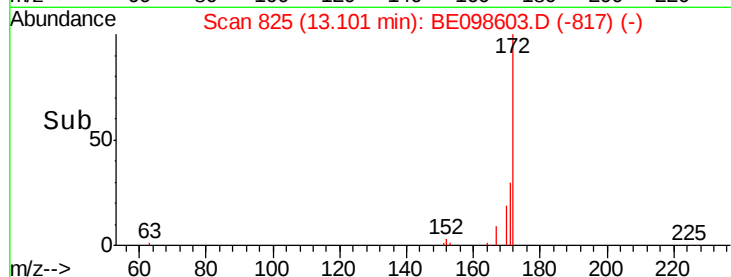
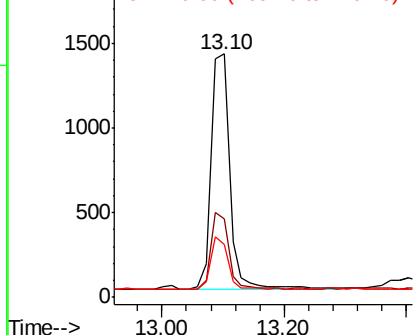
#15
2-Fluorobiphenyl
Concen: 0.212 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2926
Ion Ratio Lower Upper
172 100
171 32.0 27.5 41.3
170 21.5 19.6 29.4

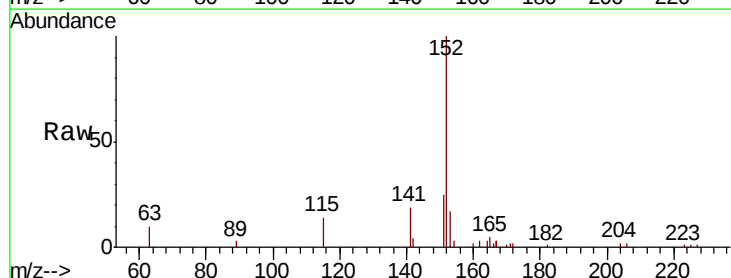


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

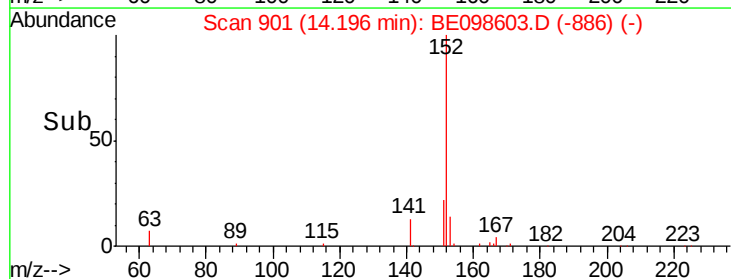
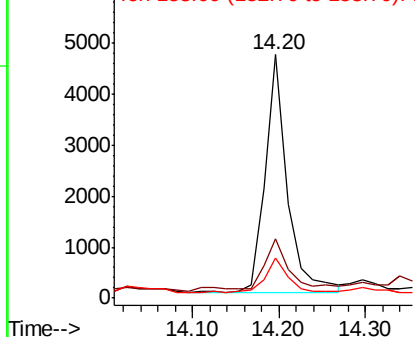


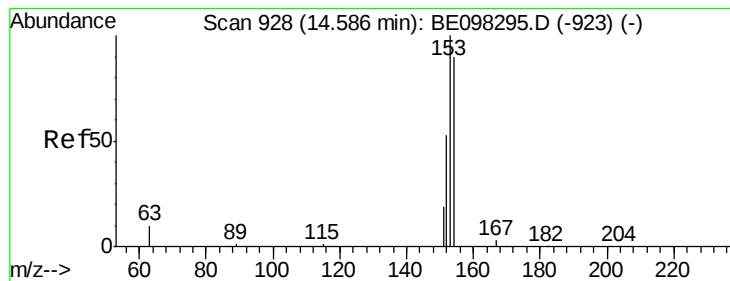
#16
Acenaphthylene
Concen: 0.545 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion:152 Resp: 8338
Ion Ratio Lower Upper
152 100
151 22.9 15.5 23.3
153 16.6 10.6 16.0#



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: 0.165 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampled :

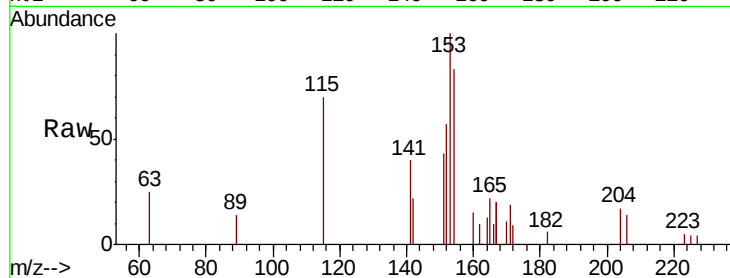
Tot Ion:154 Resp: 1516

Ion Ratio Lower Upper

154 100

153 130.5 91.8 137.6

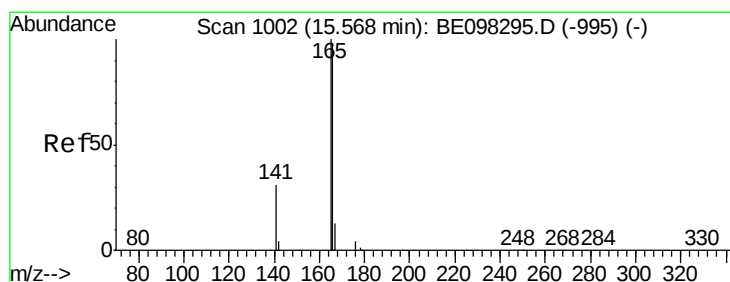
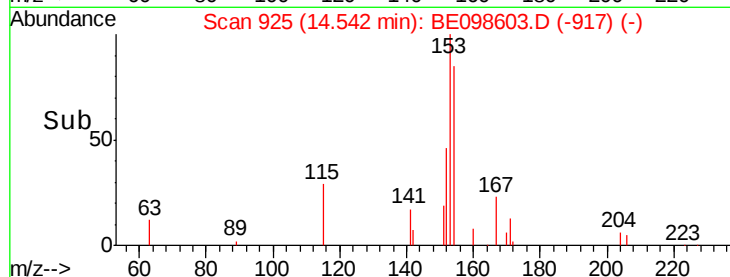
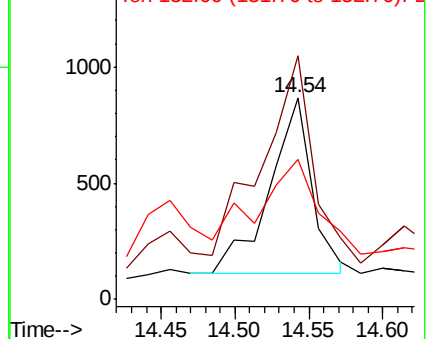
152 54.9 45.5 68.3



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: 0.394 ng

RT: 15.52 min Scan# 998

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

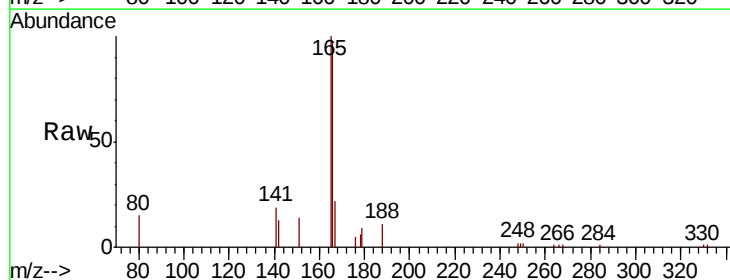
Tgt Ion:166 Resp: 4842

Ion Ratio Lower Upper

166 100

165 104.0 79.3 118.9

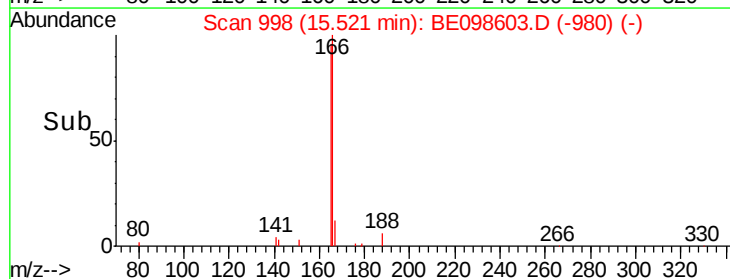
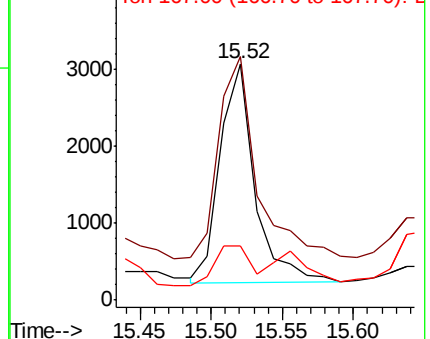
167 19.5 11.3 16.9#

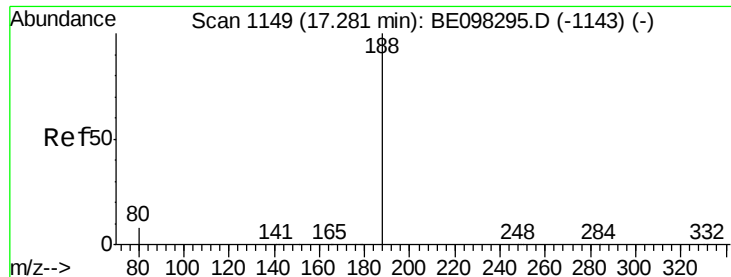


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

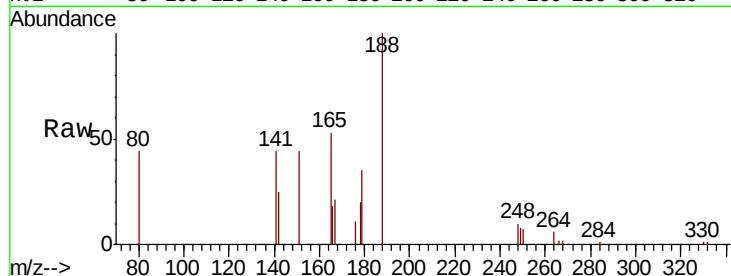
Tot Ion:188 Resp: 6104

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

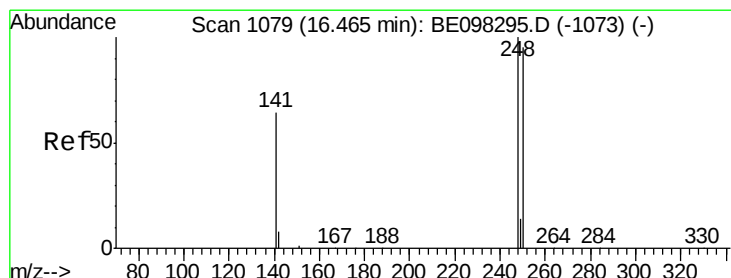
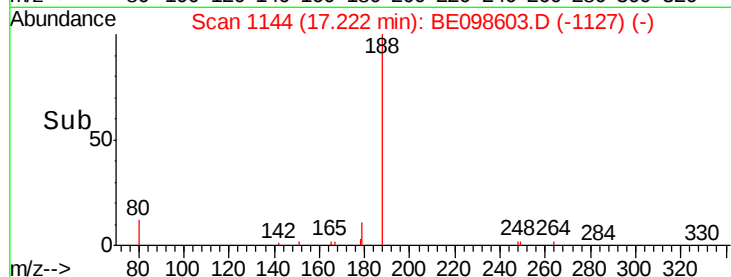
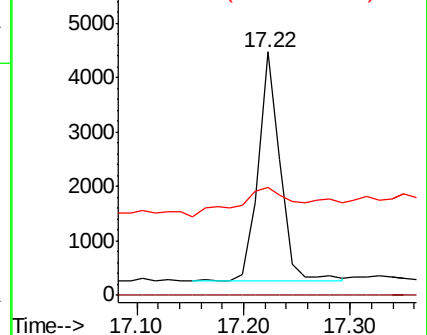
80 44.4 7.2 10.8#



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: 0.048 ng

RT: 16.44 min Scan# 1077

Delta R.T. 0.04 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

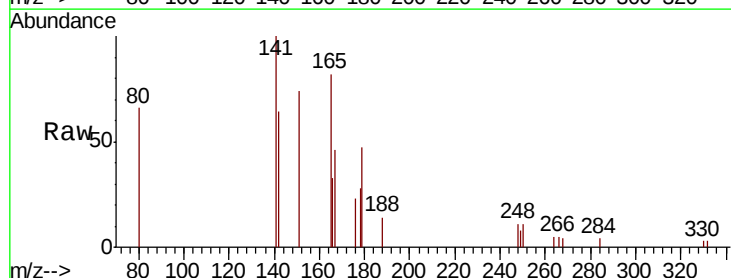
Tgt Ion:248 Resp: 158

Ion Ratio Lower Upper

248 100

250 105.0 71.0 106.6

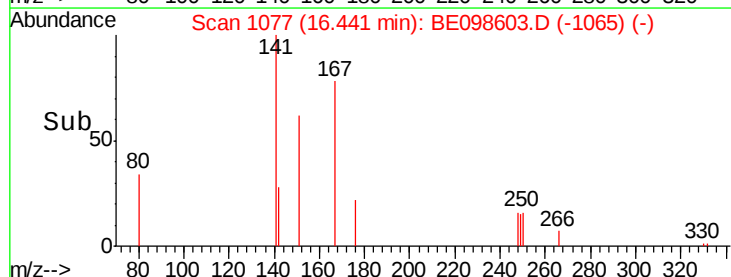
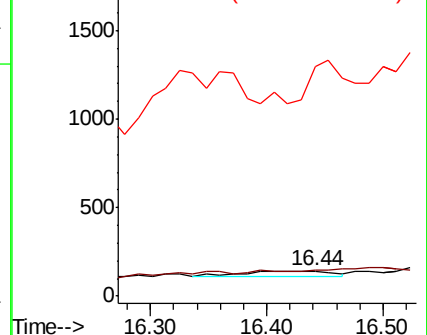
141 926.4 62.1 93.1#

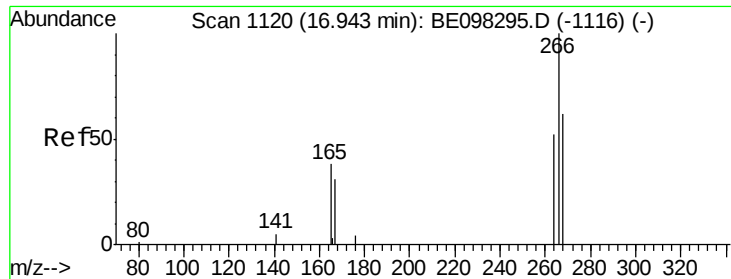


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.266 ng

RT: 16.88 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE098603.D

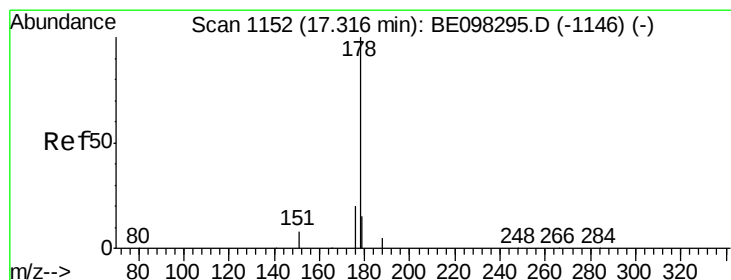
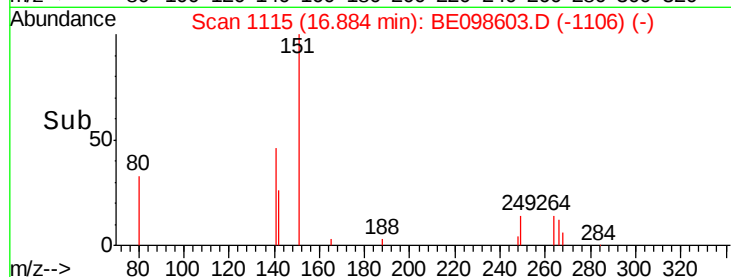
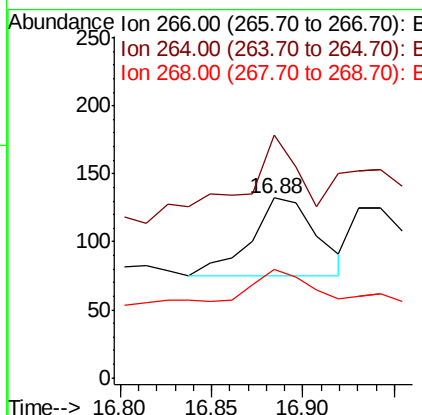
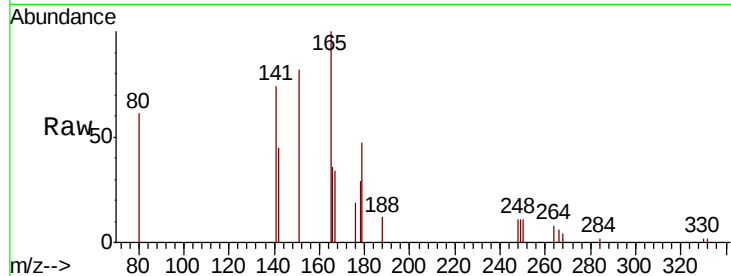
Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	266	Resp:	142
Ion	Ratio	Lower	Upper
266	100		
264	135.6	59.0	88.4#
268	60.6	55.1	82.7



#23

Phenanthrene

Concen: 1.006 ng

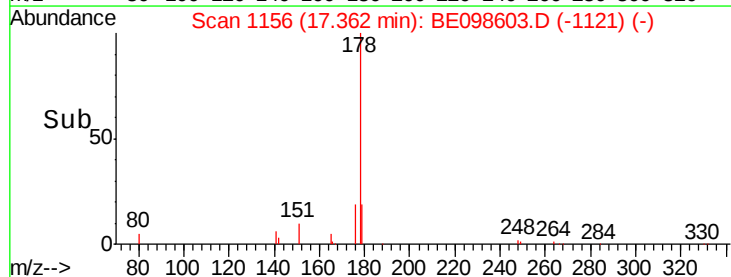
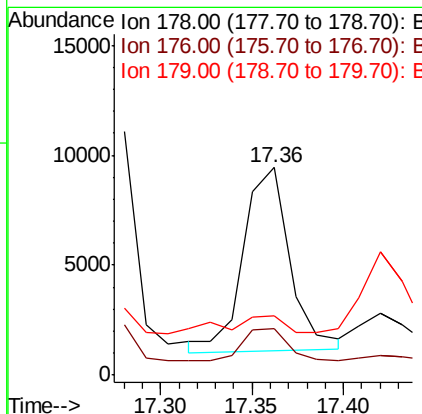
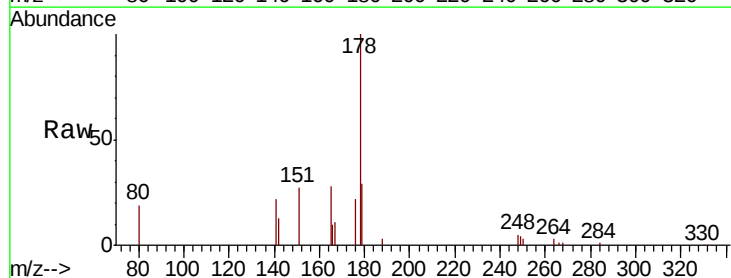
RT: 17.36 min Scan# 1156

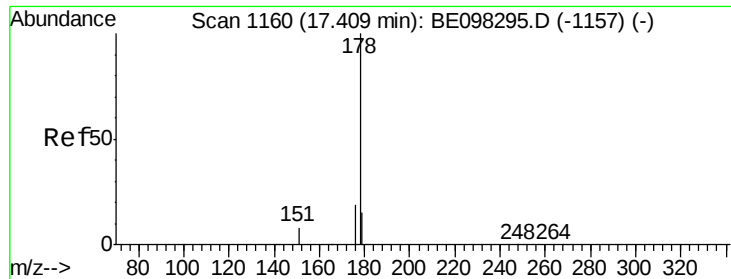
Delta R.T. 0.11 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Tgt Ion:	178	Resp:	14925
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	14.7	12.3	18.5





#24

Anthracene

Concen: 0.955 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampled :

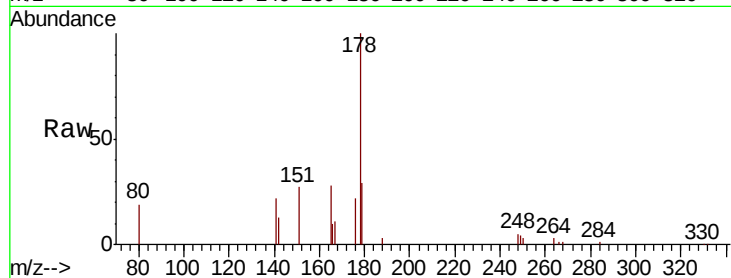
Tot Ion:178 Resp: 12631

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

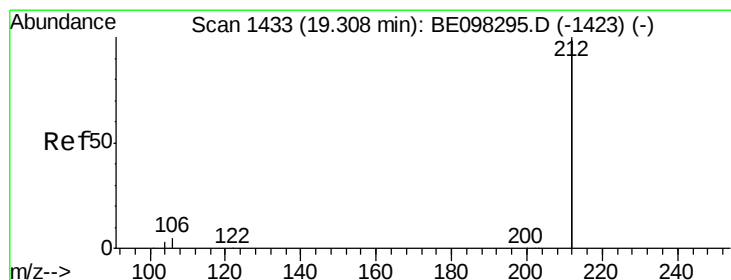
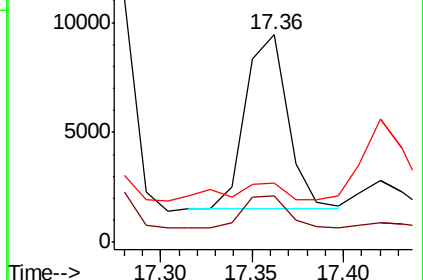
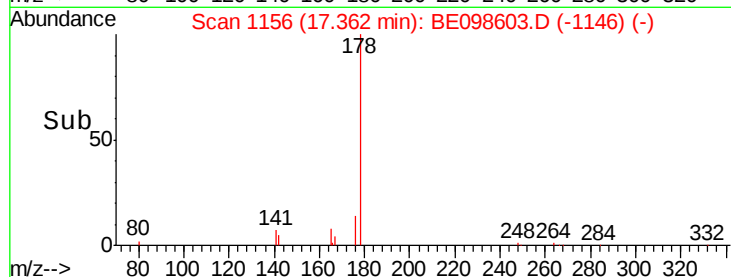
179 14.6 12.3 18.5



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: 0.273 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

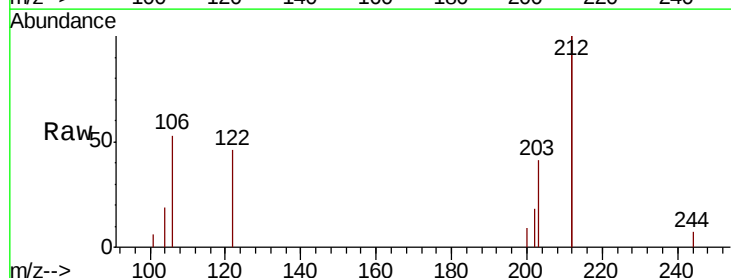
Tgt Ion:212 Resp: 21379

Ion Ratio Lower Upper

212 100

106 7.0 2.2 3.2#

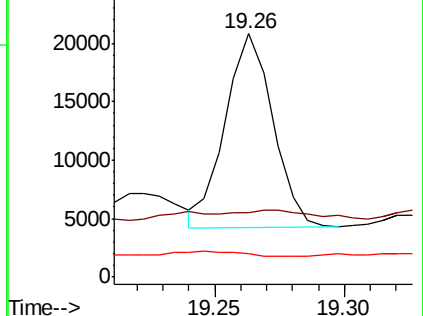
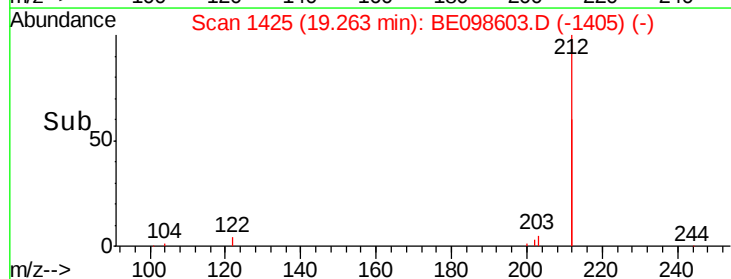
104 0.0 1.3 1.9#

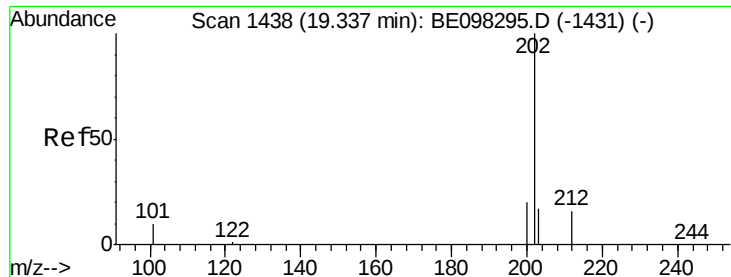


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

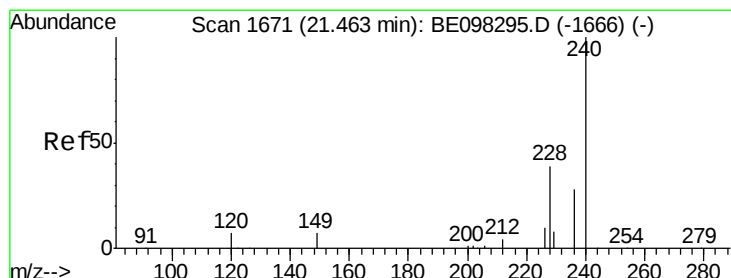
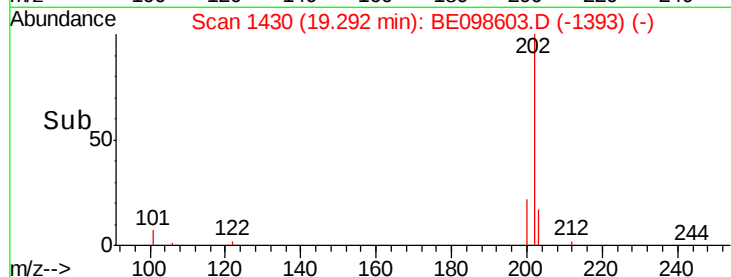
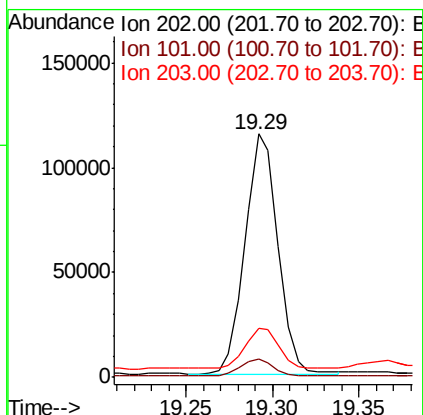
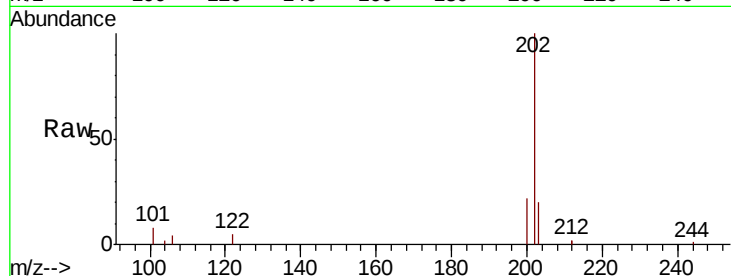




#26
 Fluoranthene
 Concen: 7.729 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. 0.01 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

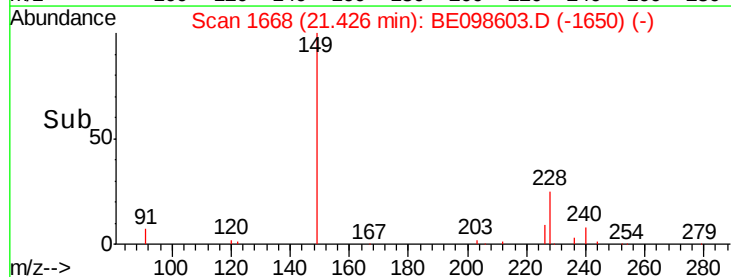
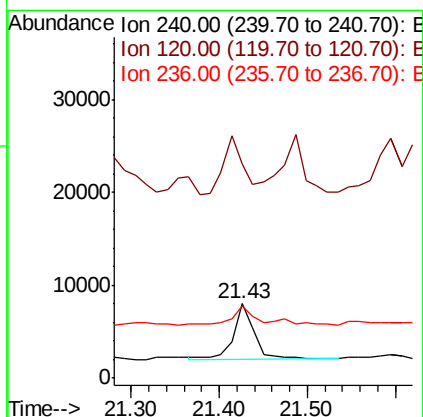
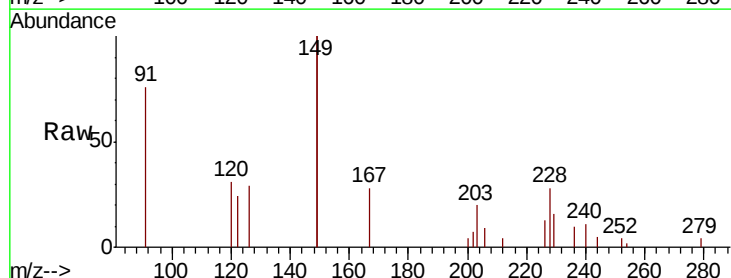
Instrument :
 BNA_E
 ClientSampled :

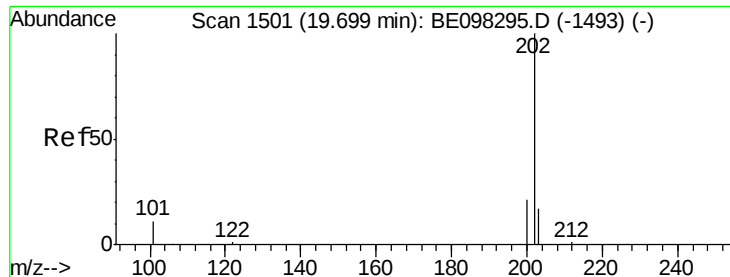
Tot Ion:202 Resp: 151675
 Ion Ratio Lower Upper
 202 100
 101 7.1 8.0 12.0#
 203 17.2 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1668
 Delta R.T. 0.02 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Tgt Ion:240 Resp: 10328
 Ion Ratio Lower Upper
 240 100
 120 287.6 9.5 14.3#
 236 97.0 22.7 34.1#





#28

Pvrene

Concen: 4.214 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

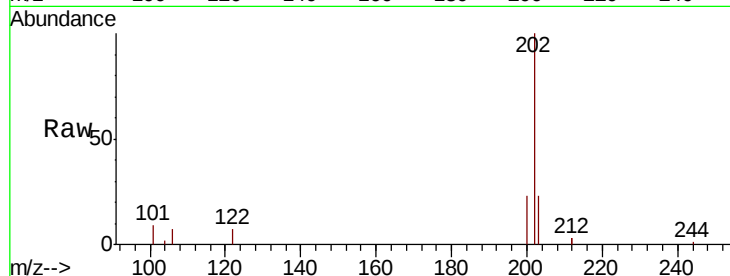
Tot Ion:202 Resp: 136567

Ion Ratio Lower Upper

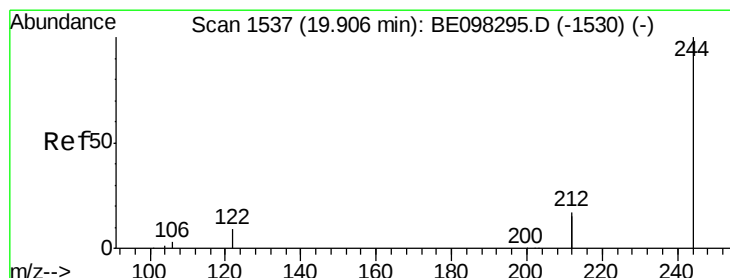
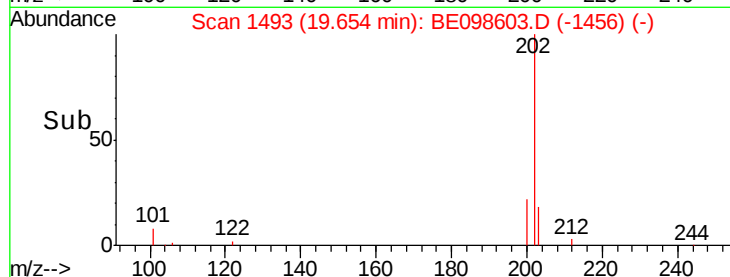
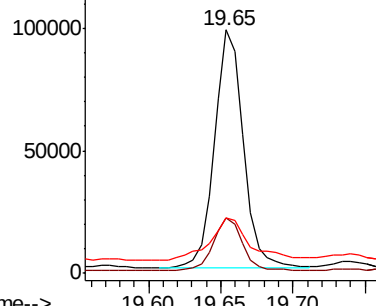
202 100

200 22.0 16.7 25.1

203 24.3 14.1 21.1#



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: 0.217 ng

RT: 19.87 min Scan# 1530

Delta R.T. 0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

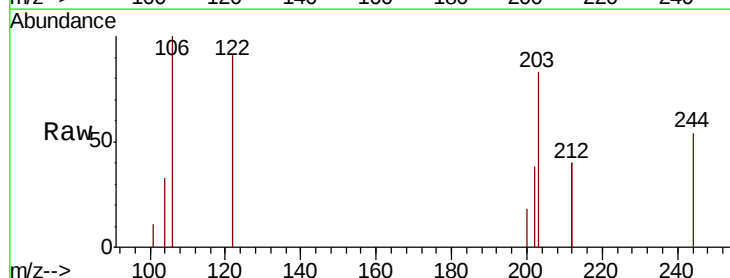
Tgt Ion:244 Resp: 5436

Ion Ratio Lower Upper

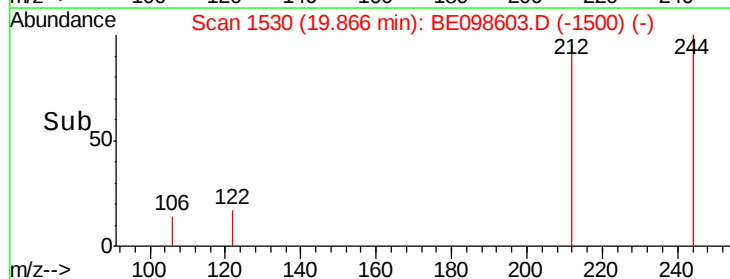
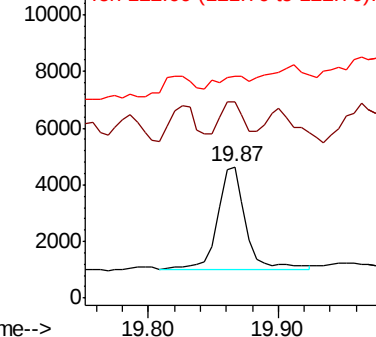
244 100

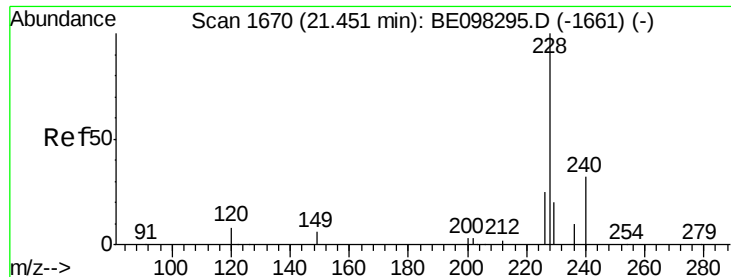
212 150.1 27.4 41.0#

122 169.4 8.3 12.5#



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: 3.569 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

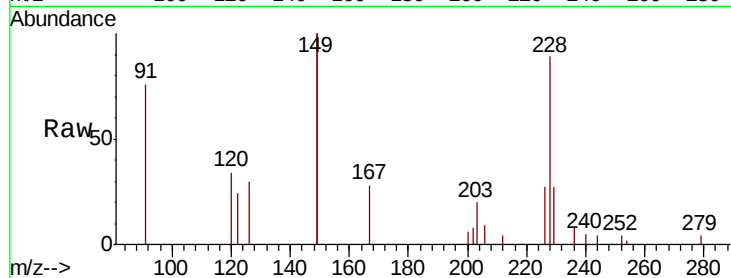
Tot Ion:228 Resp: 104970

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.8

229 30.6 16.3 24.5#

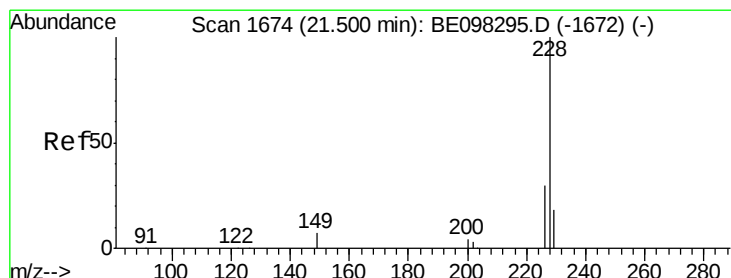
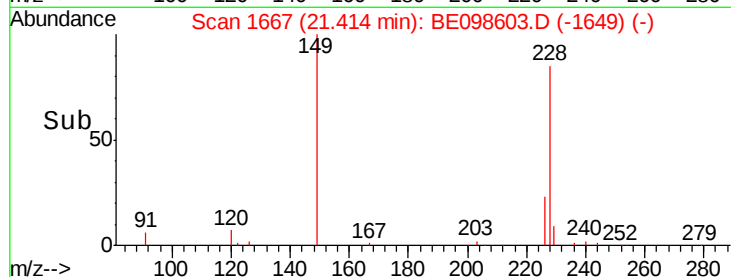
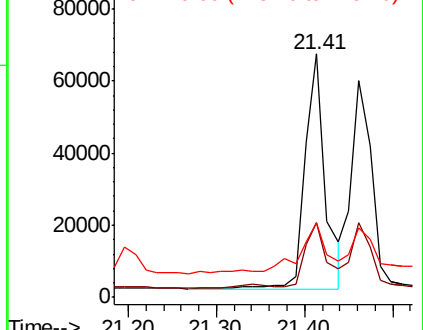


Abundance

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: 2.909 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

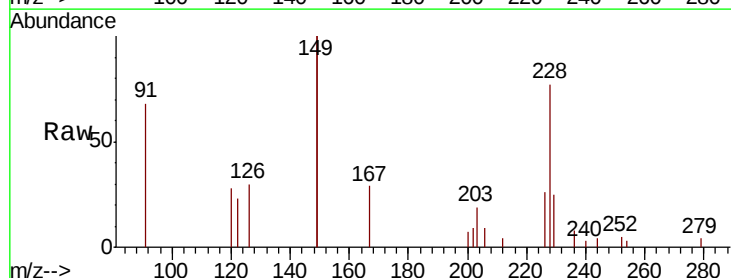
Tgt Ion:228 Resp: 89615

Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.0

229 32.3 16.2 24.4#

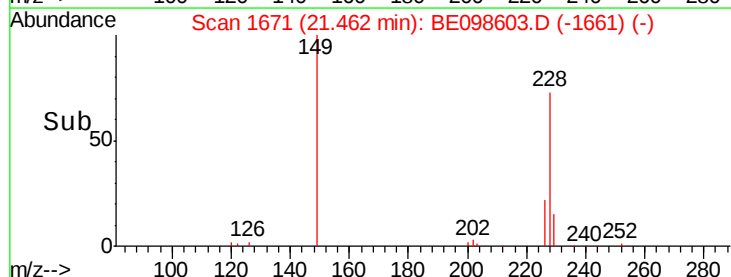
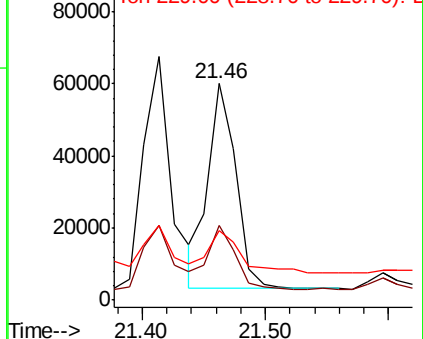


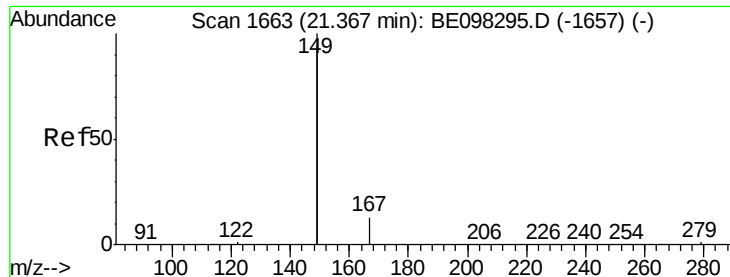
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.720 ng

RT: 21.33 min Scan# 1660

Delta R.T. 0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

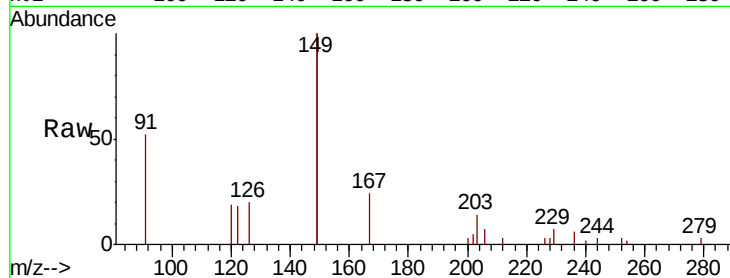
Tot Ion:149 Resp: 102747

Ion Ratio Lower Upper

149 100

167 11.1 5.7 8.5#

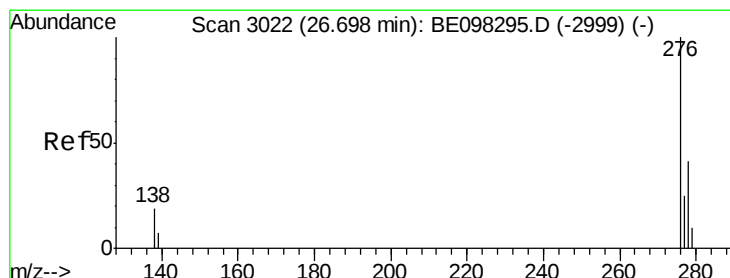
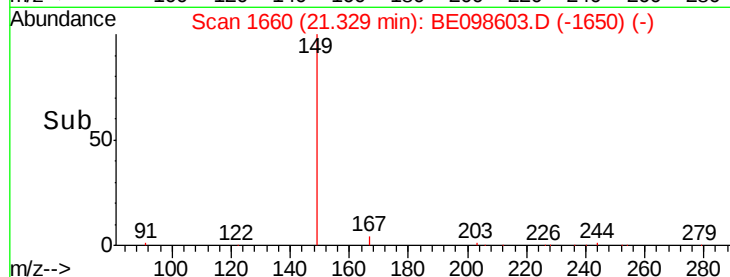
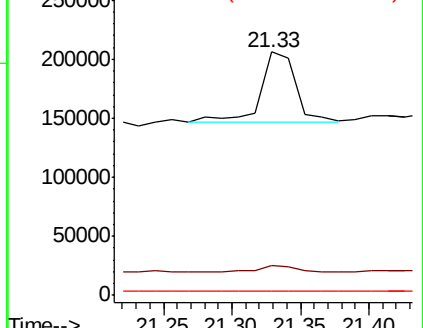
279 1.8 1.0 1.4#



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: 1.336 ng

RT: 26.64 min Scan# 3006

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

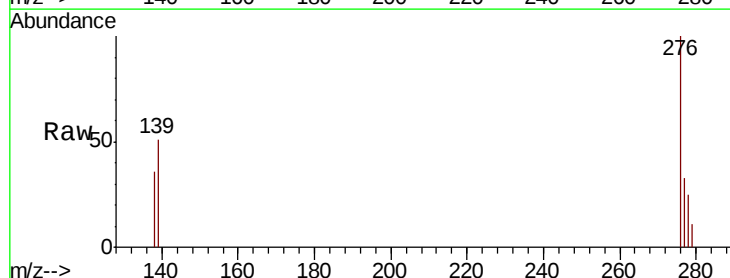
Tgt Ion:276 Resp: 40943

Ion Ratio Lower Upper

276 100

138 14.3 16.3 24.5#

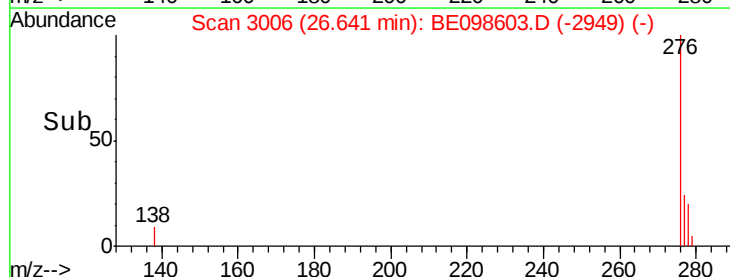
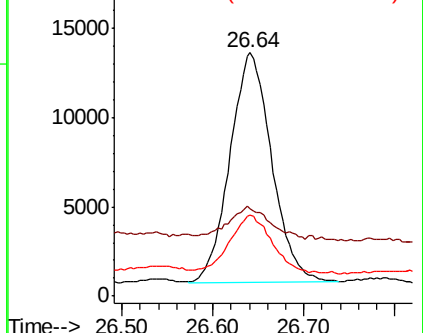
277 24.4 20.2 30.4

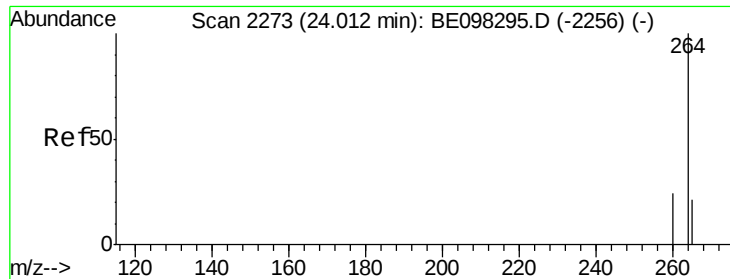


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

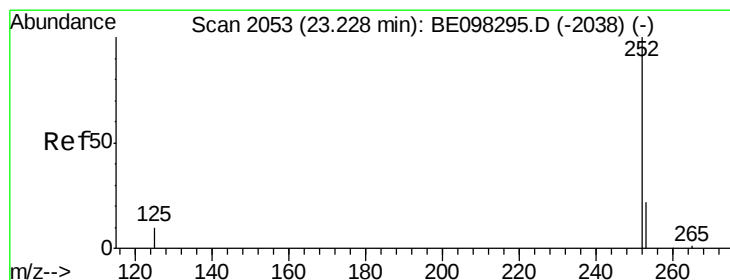
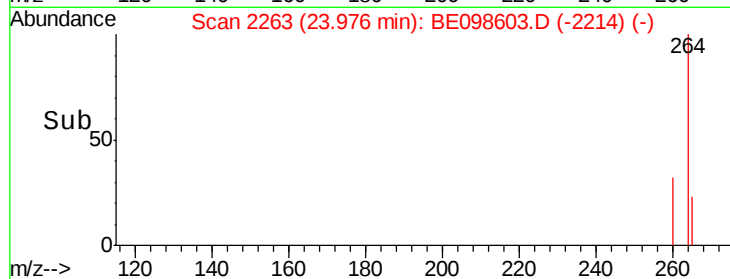
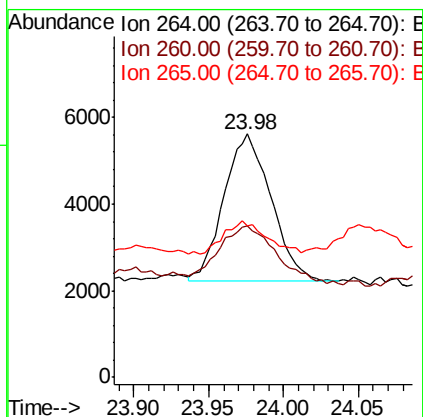
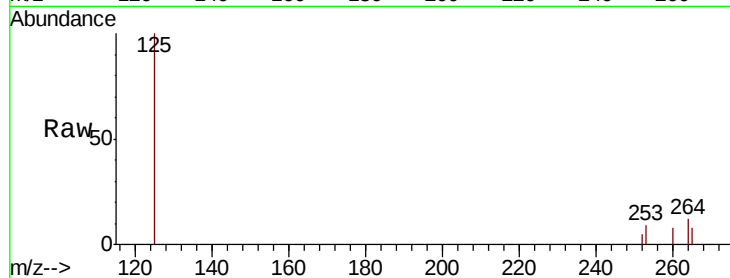




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

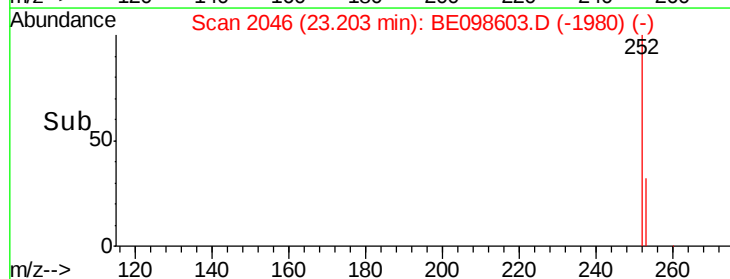
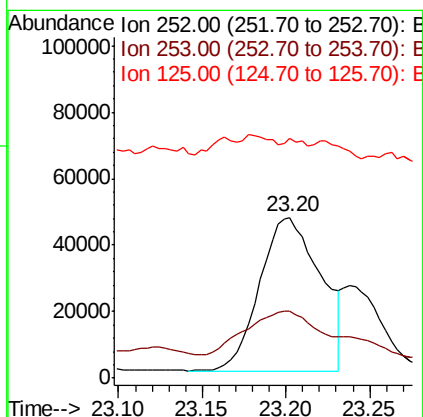
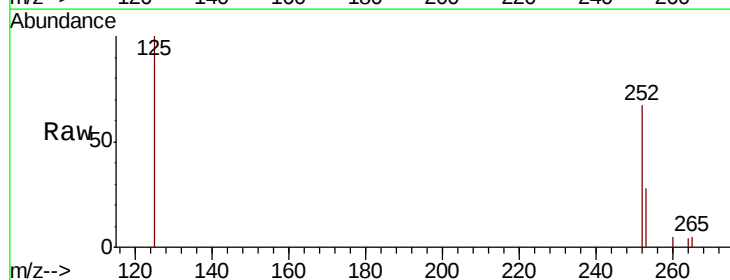
Instrument :
BNA_E
ClientSampleId :

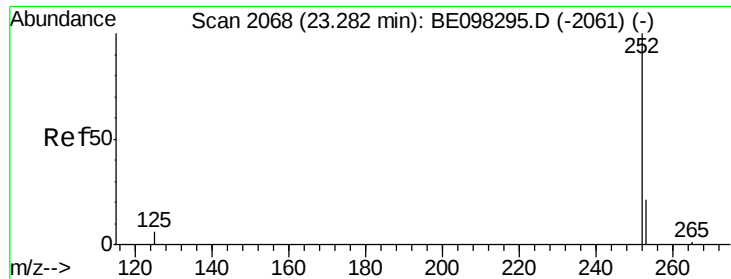
Tot Ion:264 Resp: 7405
Ion Ratio Lower Upper
264 100
260 62.0 20.2 30.2#
265 62.4 25.2 37.8#



#35
Benzo(b)fluoranthene
Concen: 5.771 ng
RT: 23.20 min Scan# 2046
Delta R.T. 0.03 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion:252 Resp: 116864
Ion Ratio Lower Upper
252 100
253 41.5 20.0 30.0#
125 148.8 9.6 14.4#

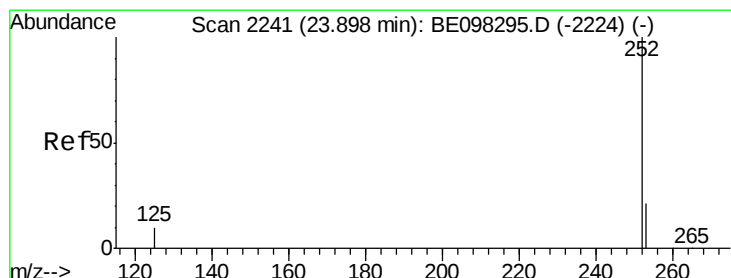
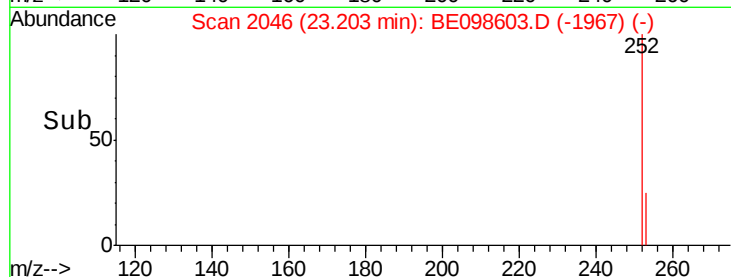
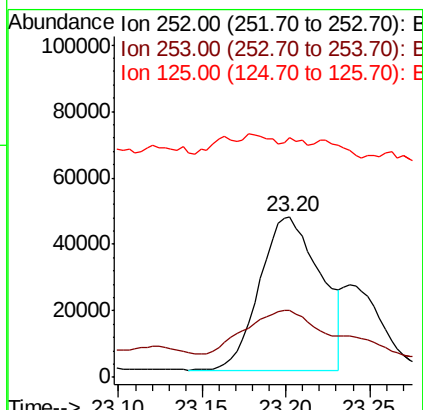
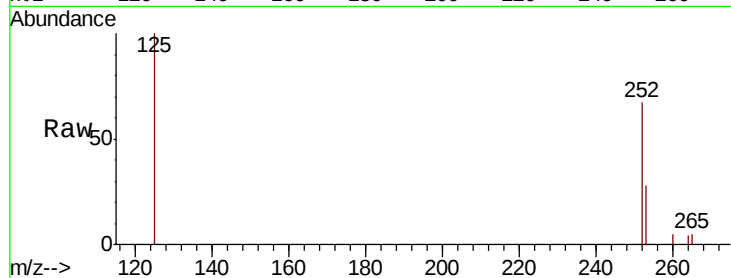




#36
Benzo(k)fluoranthene
Concen: 4.954 ng
RT: 23.20 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

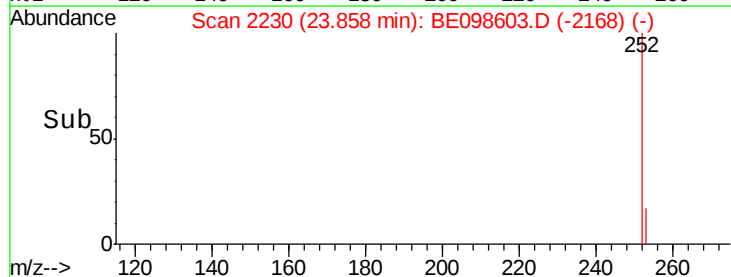
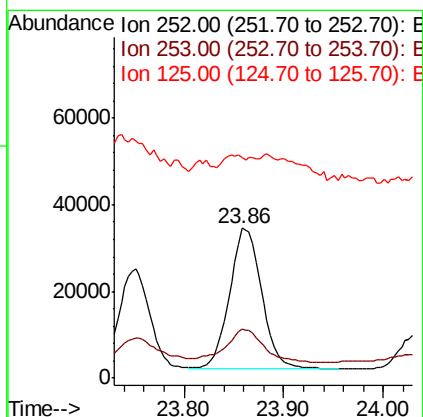
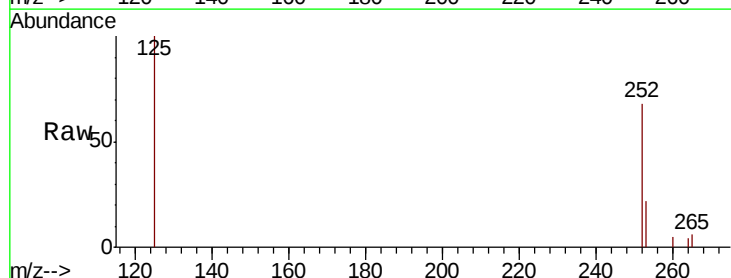
Instrument :
BNA_E
ClientSampleId :

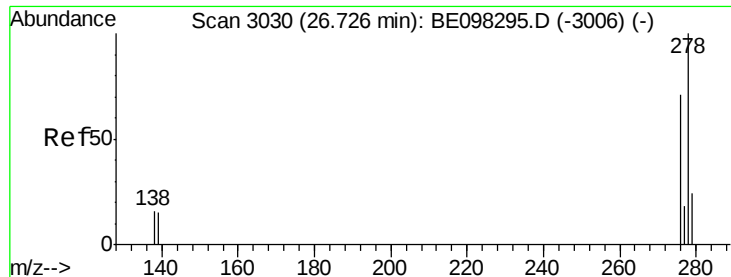
Tot Ion:252 Resp: 116864
Ion Ratio Lower Upper
252 100
253 41.5 19.0 28.6#
125 148.8 9.1 13.7#



#37
Benzo(a)pyrene
Concen: 3.501 ng
RT: 23.86 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion:252 Resp: 73144
Ion Ratio Lower Upper
252 100
253 32.3 20.6 30.8#
125 147.3 10.5 15.7#





#38

Dibenzo(a,h)anthracene

Concen: 0.543 ng

RT: 26.65 min Scan# 3008

Delta R.T. -0.02 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

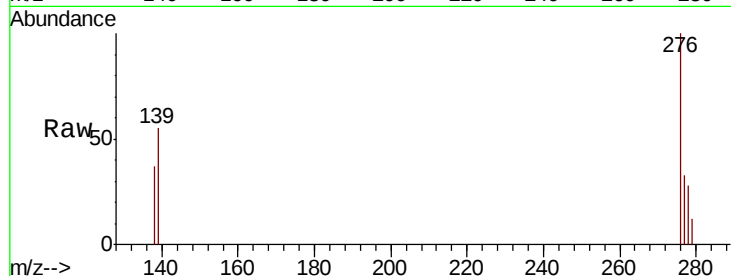
Tot Ion:278 Resp: 10678

Ion Ratio Lower Upper

278 100

139 197.5 14.5 21.7#

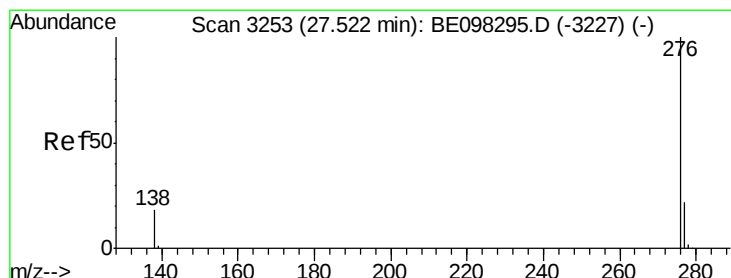
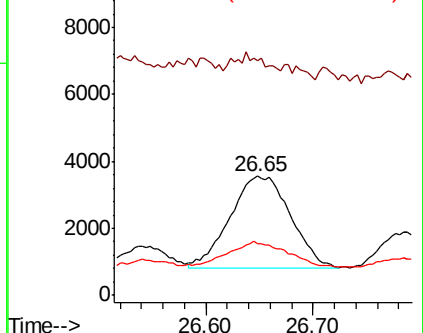
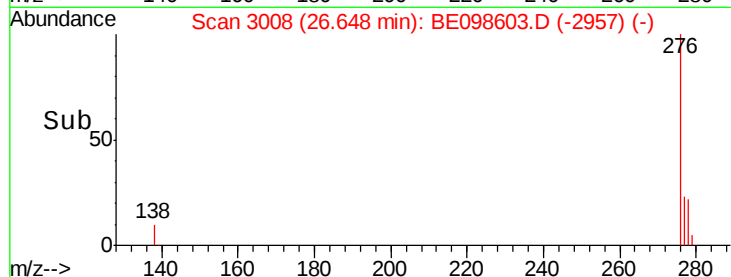
279 43.0 21.8 32.8#



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(g,h,i)perylene

Concen: 1.900 ng

RT: 27.46 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

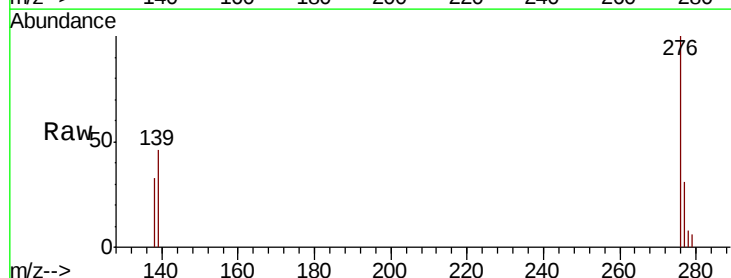
Tgt Ion:276 Resp: 37682

Ion Ratio Lower Upper

276 100

277 31.1 20.8 31.2

138 33.1 15.8 23.6#



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

