

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098328.D
 Acq On : 11 Dec 2018 11:56
 Operator : SJ/JU
 Sample : PB115420BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115420BS

Quant Time: Dec 11 12:29:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1297	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5345	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3002	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7856	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10833	0.40	ng	0.00
34) Perylene-d12	24.01	264	10310	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	816	0.27	ng	0.00
5) Phenol-d6	7.06	99	960	0.22	ng	0.00
8) Nitrobenzene-d5	9.03	82	1116	0.23	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2146	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	215	0.20	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	3051	0.24	ng	0.00
25) Fluoranthene-d10	19.31	212	25056	0.25	ng	0.00
29) Terphenyl-d14	19.91	244	4781	0.18	ng	0.00

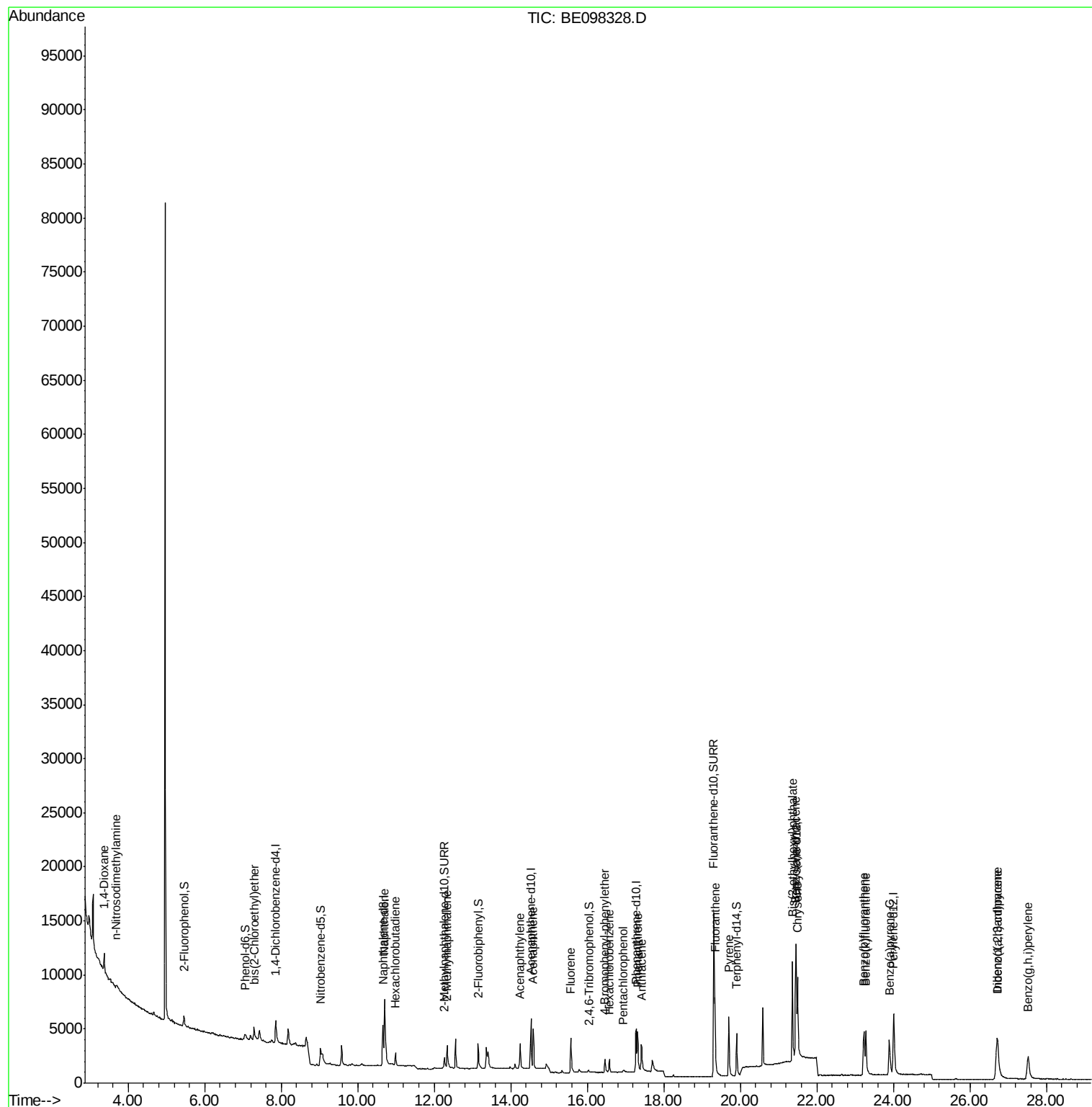
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	819	0.365	ng	# 50
3) n-Nitrosodimethylamine	3.69	42	473	0.234	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	744	0.182	ng	98
9) Naphthalene	10.71	128	12985	0.241	ng	99
10) Hexachlorobutadiene	10.99	225	785	0.229	ng	99
12) 2-Methylnaphthalene	12.34	142	1933	0.221	ng	98
16) Acenaphthylene	14.24	152	3312	0.235	ng	99
17) Acenaphthene	14.59	154	1927	0.228	ng	99
18) Fluorene	15.57	166	2575	0.228	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	855	0.202	ng	97
21) Hexachlorobenzene	16.58	284	985	0.217	ng	97
22) Pentachlorophenol	16.94	266	262	0.364	ng	96
23) Phenanthrene	17.32	178	4339	0.227	ng	99
24) Anthracene	17.41	178	3724	0.219	ng	99
26) Fluoranthene	19.34	202	6185	0.245	ng	99
28) Pyrene	19.70	202	6213	0.183	ng	99
30) Benzo(a)anthracene	21.45	228	6921	0.224	ng	99
31) Chrysene	21.50	228	7418	0.230	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	11386	0.182	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	7481	0.233	ng	# 88
35) Benzo(b)fluoranthene	23.23	252	6644	0.236	ng	99
36) Benzo(k)fluoranthene	23.28	252	7995	0.243	ng	98
37) Benzo(a)pyrene	23.89	252	6854	0.236	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	6174	0.225	ng	98
39) Benzo(g,h,i)perylene	27.53	276	6610	0.239	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: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

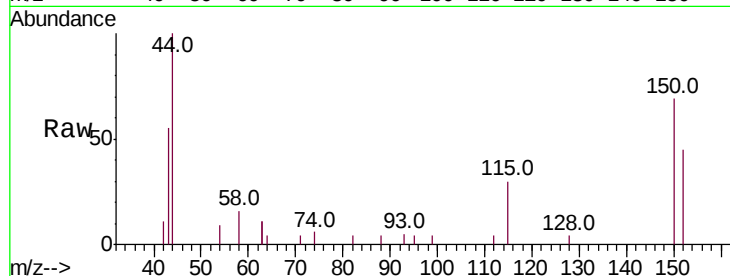
Tot Ion:152 Resp: 1297

Ion Ratio Lower Upper

152 100

150 156.0 124.2 186.4

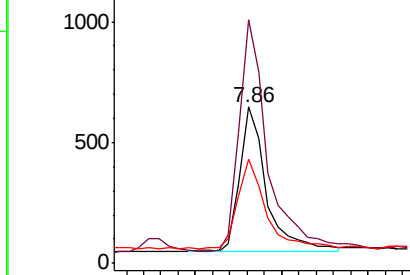
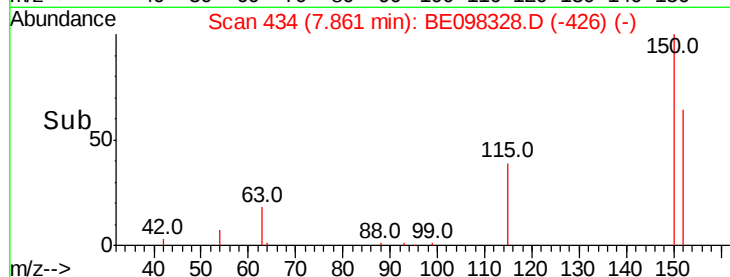
115 67.0 53.9 80.9



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: 0.365 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

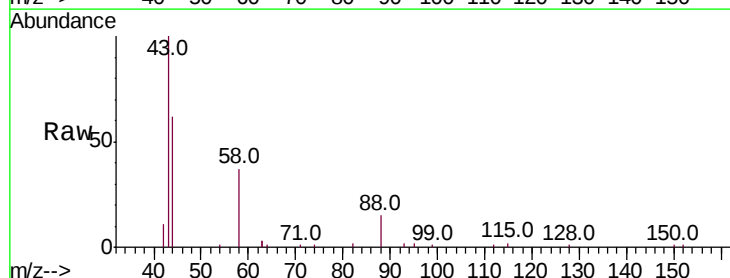
Tgt Ion: 88 Resp: 819

Ion Ratio Lower Upper

88 100

58 132.2 75.0 112.6#

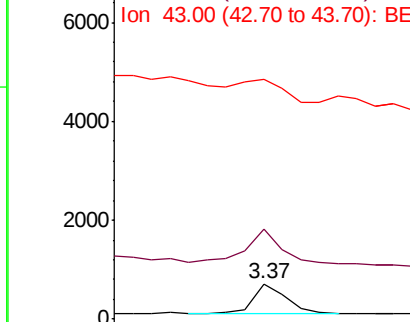
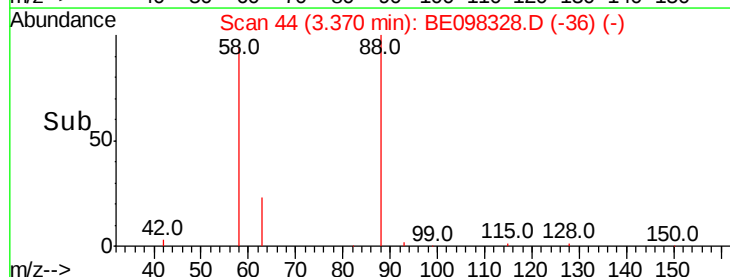
43 0.0 38.3 57.5#



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



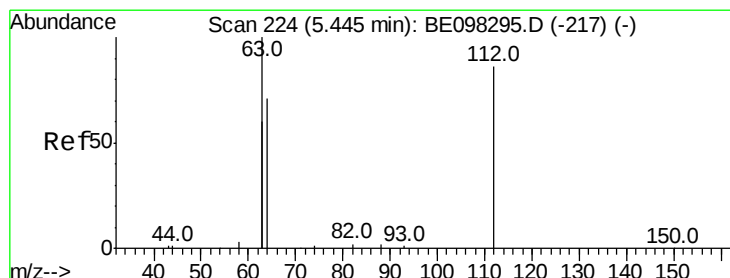
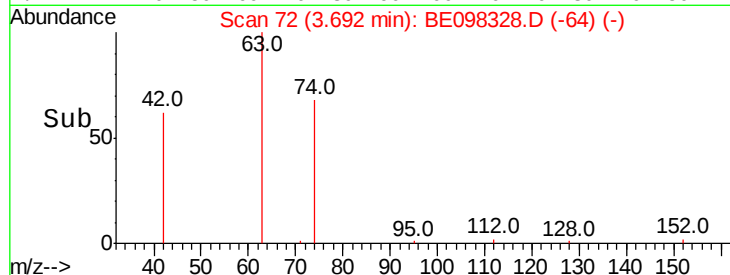
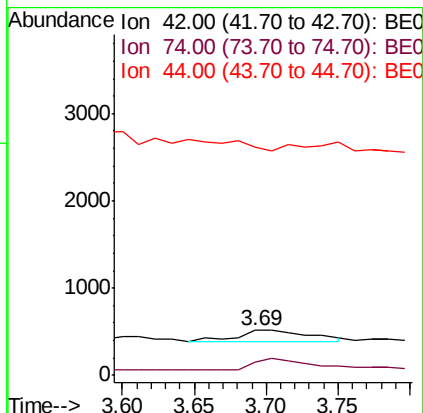
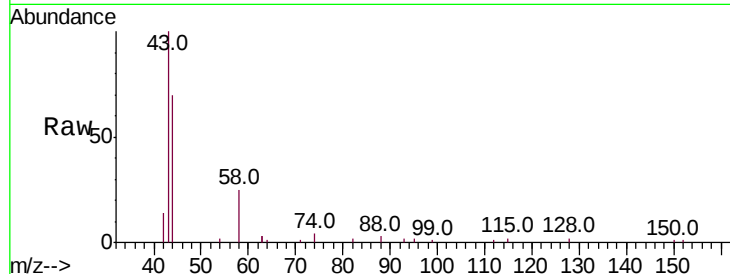


#3

n-Nitrosodimethylamine
 Concen: 0.234 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098328.D
 Acq: 11 Dec 2018 11:56

Instrument :
 BNA_E
 ClientSampleId :
 PB115420BS

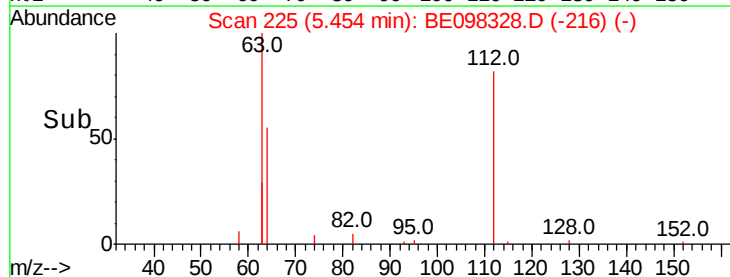
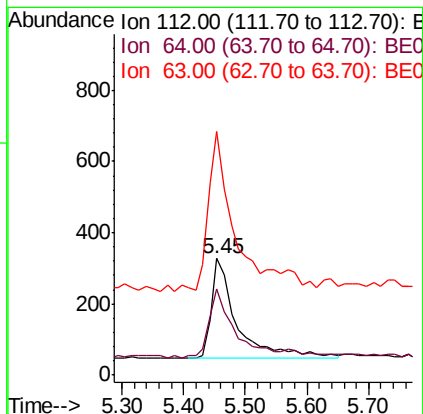
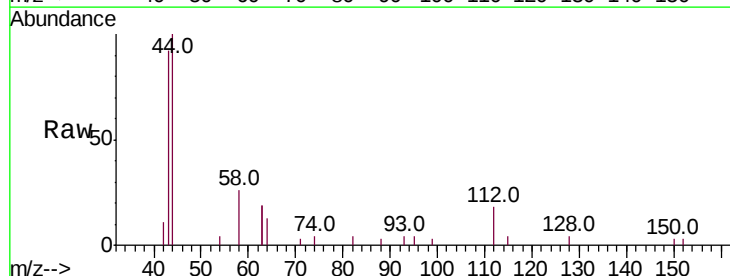
Tot Ion: 42 Resp: 473
 Ion Ratio Lower Upper
 42 100
 74 0.0 0.0 0.0
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.269 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: BE098328.D
 Acq: 11 Dec 2018 11:56

Tgt Ion: 112 Resp: 816
 Ion Ratio Lower Upper
 112 100
 64 68.1 59.8 89.8
 63 146.8 133.7 200.5





#5

Phenol-d6

Concen: 0.223 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

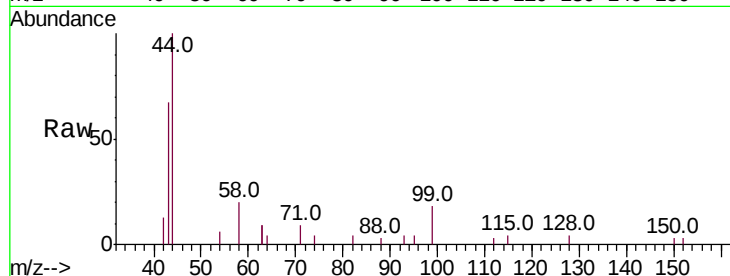
Tot Ion: 99 Resp: 960

Ion Ratio Lower Upper

99 100

42 37.1 26.3 39.5

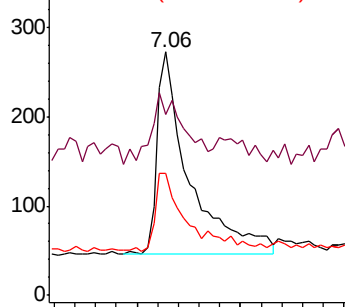
71 38.1 33.6 50.4



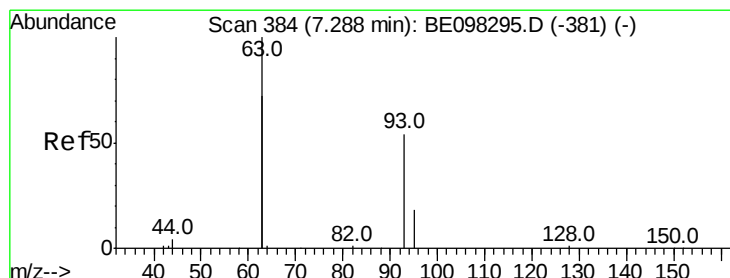
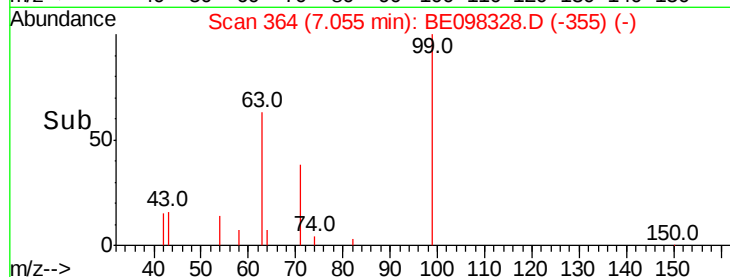
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.182 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

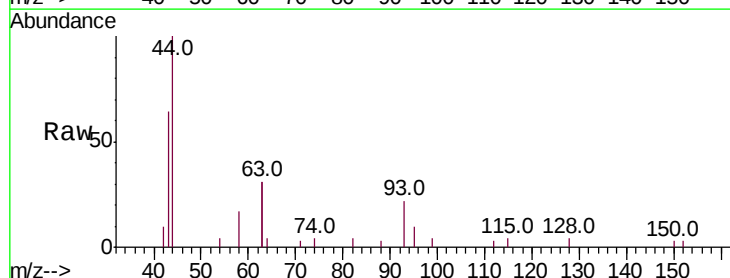
Tgt Ion: 93 Resp: 744

Ion Ratio Lower Upper

93 100

63 327.3 264.4 396.6

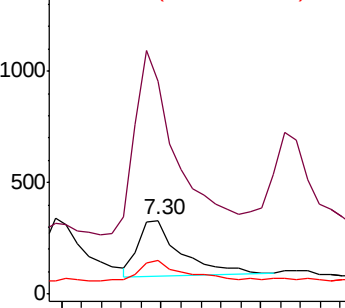
95 39.0 26.6 40.0



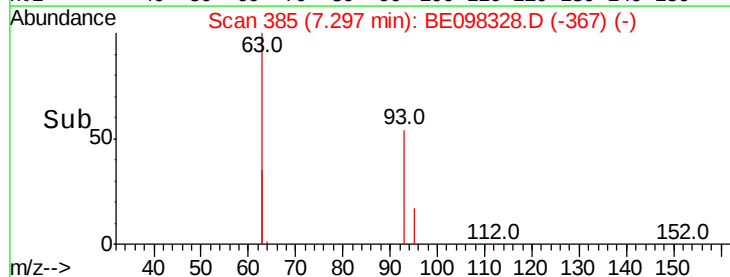
Abundance Ion 93.00 (92.70 to 93.70): BE0

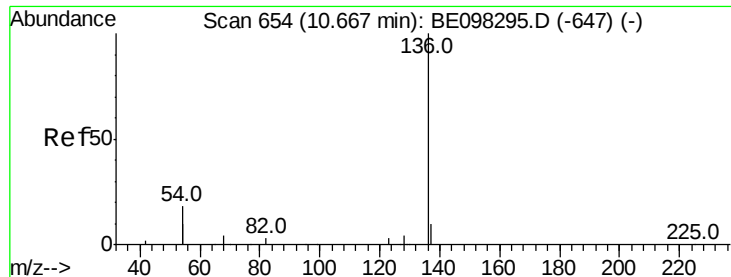
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

Tot Ion:136 Resp: 5345

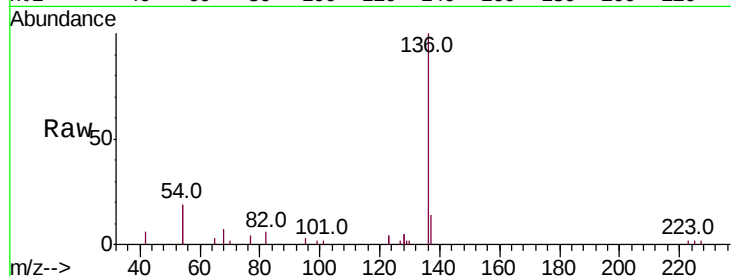
Ion Ratio Lower Upper

136 100

137 13.6 9.2 13.8

54 37.4 28.4 42.6

68 6.9 5.4 8.0

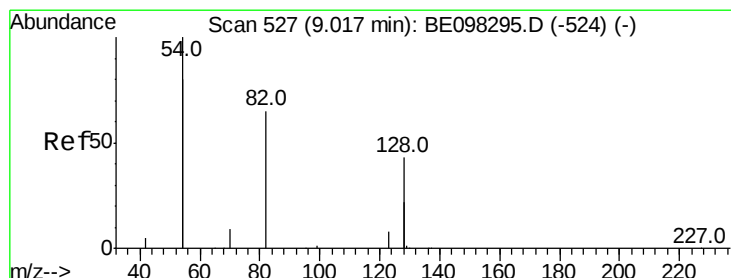
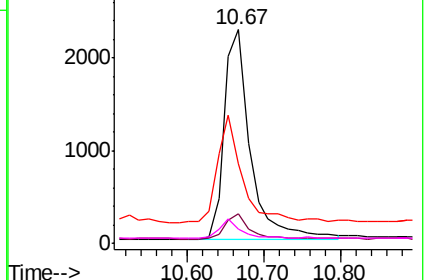
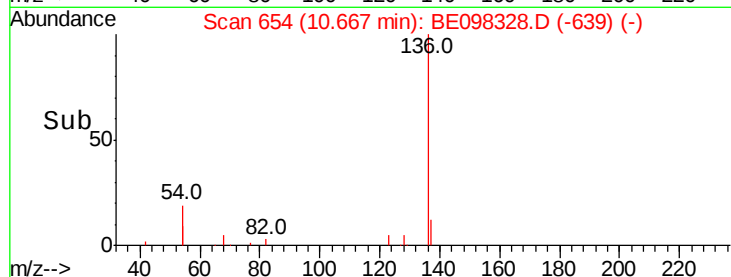


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.229 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

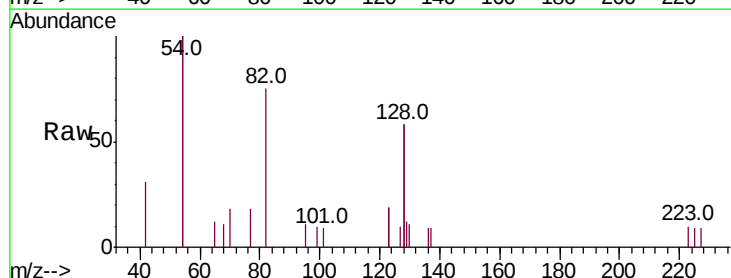
Tgt Ion: 82 Resp: 1116

Ion Ratio Lower Upper

82 100

128 155.8 102.4 153.6#

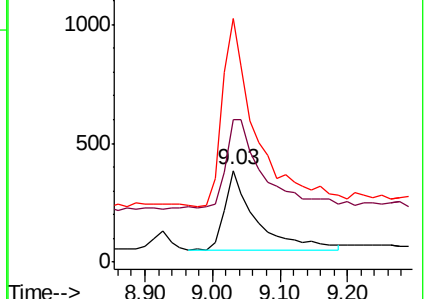
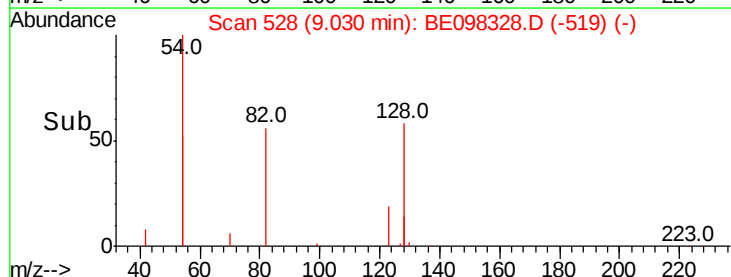
54 266.5 221.8 332.8

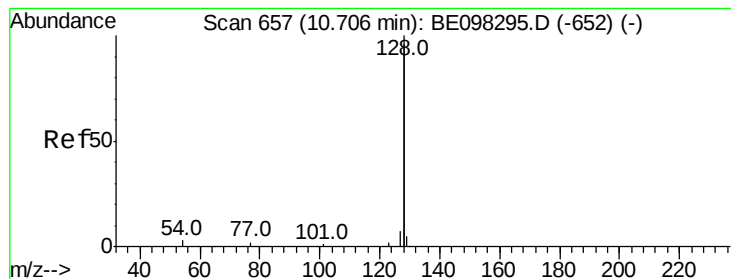


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.241 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

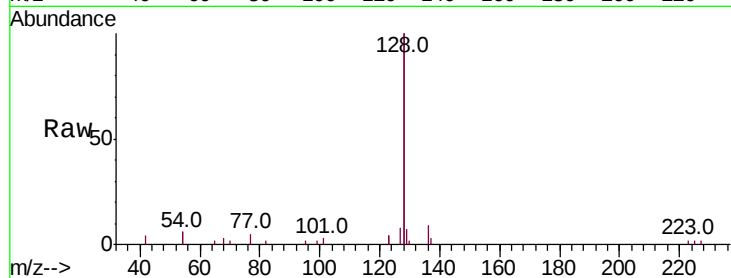
Tot Ion:128 Resp: 12985

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

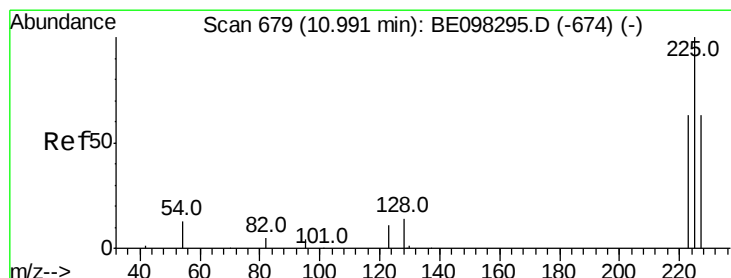
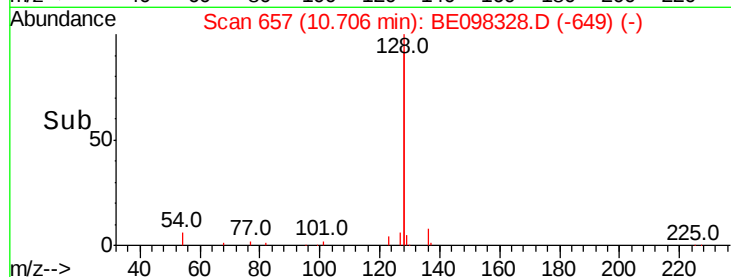
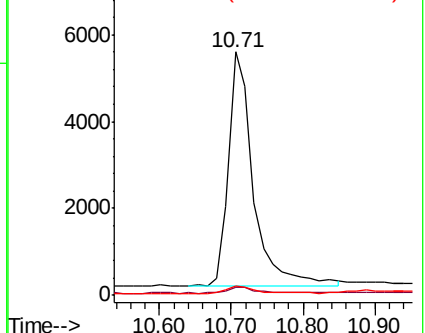
127 3.9 2.7 4.1



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



#10

Hexachlorobutadiene

Concen: 0.229 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

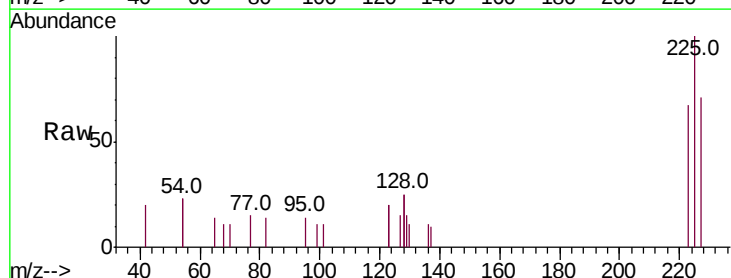
Tgt Ion:225 Resp: 785

Ion Ratio Lower Upper

225 100

223 61.3 49.4 74.0

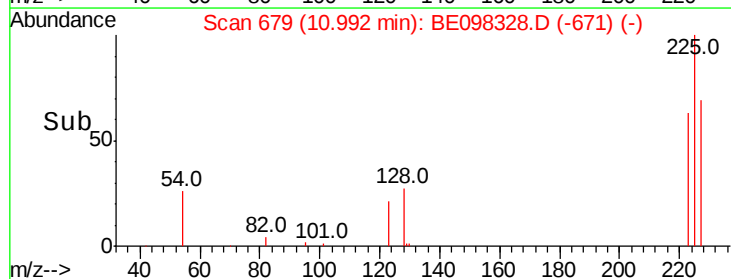
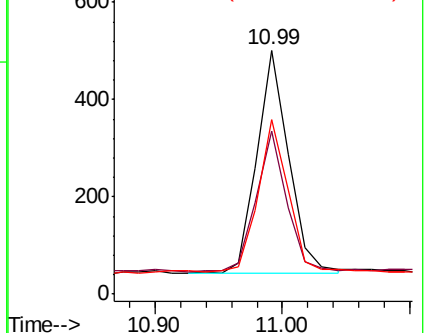
227 63.3 52.0 78.0

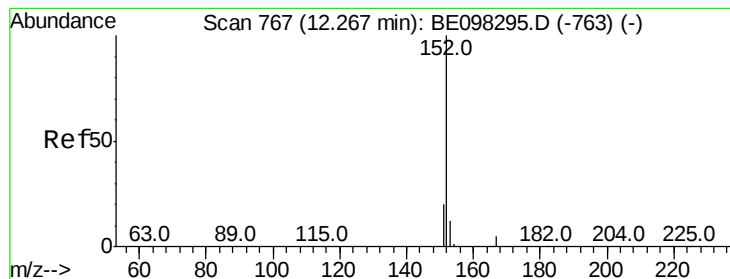


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.247 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

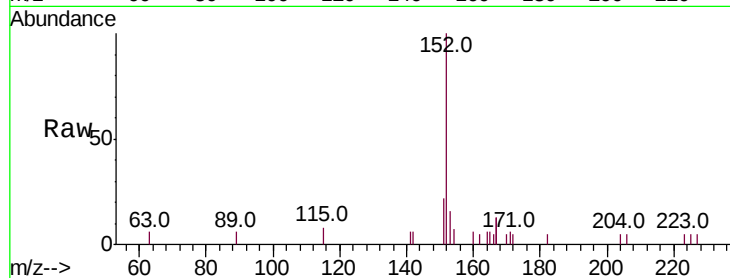
PB115420BS

Tot Ion:152 Resp: 2146

Ion Ratio Lower Upper

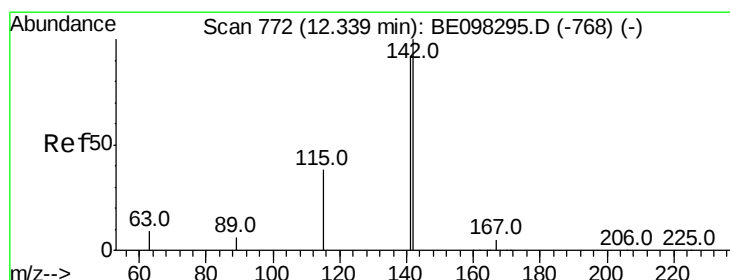
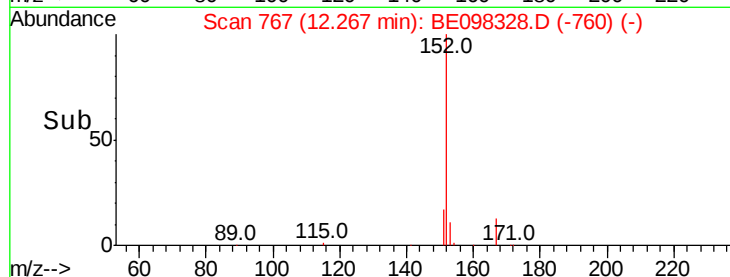
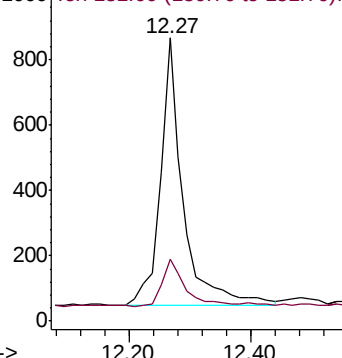
152 100

151 18.3 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: 0.221 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

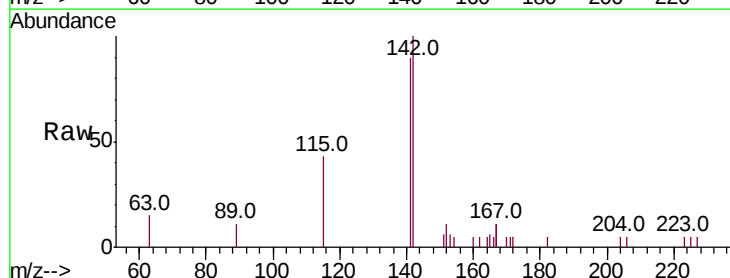
Tgt Ion:142 Resp: 1933

Ion Ratio Lower Upper

142 100

141 90.0 71.0 106.6

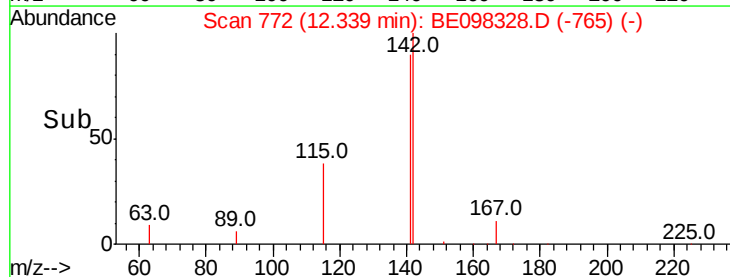
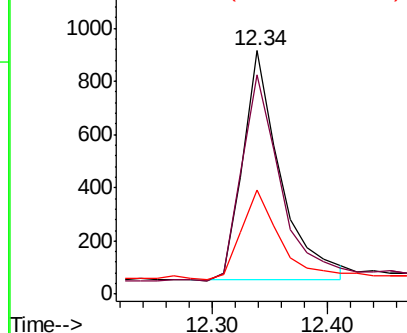
115 42.6 32.2 48.2

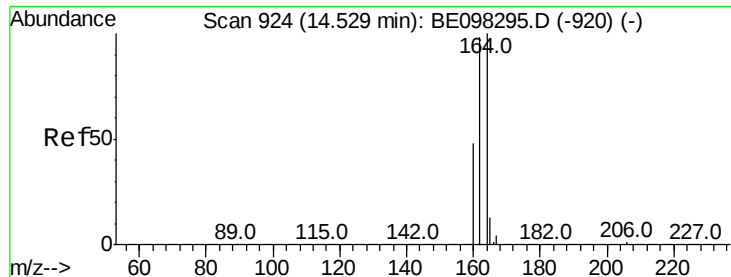


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

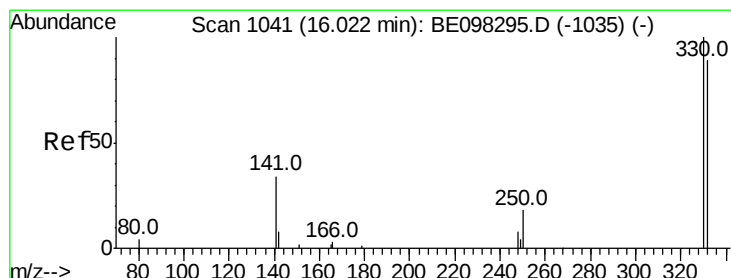
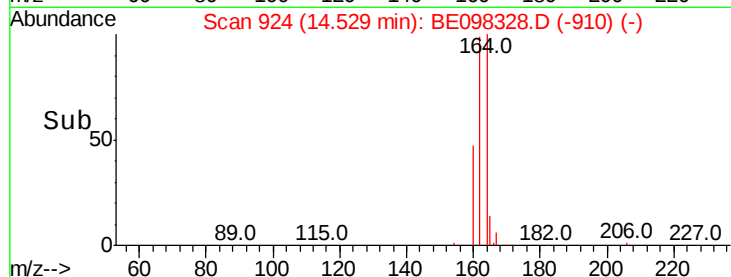
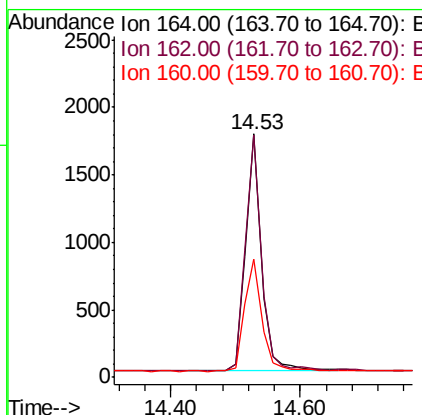
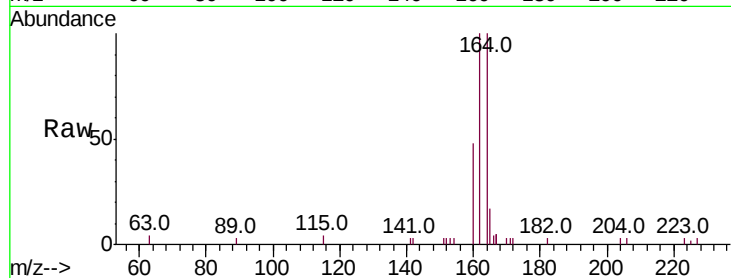




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098328.D
 Acq: 11 Dec 2018 11:56

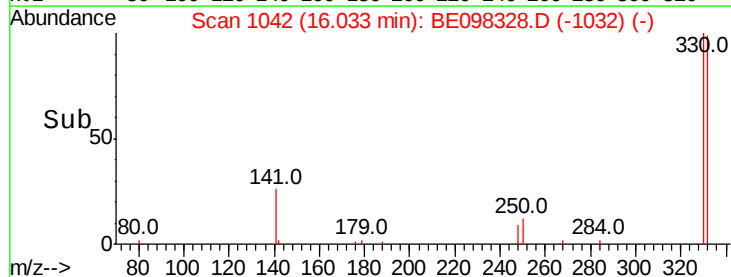
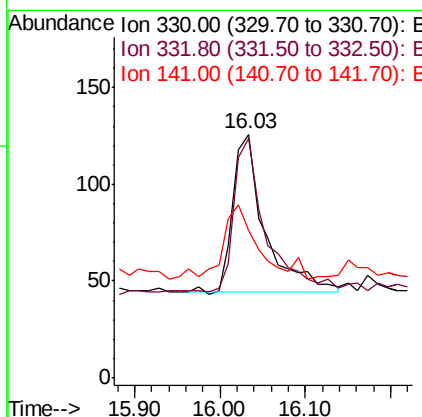
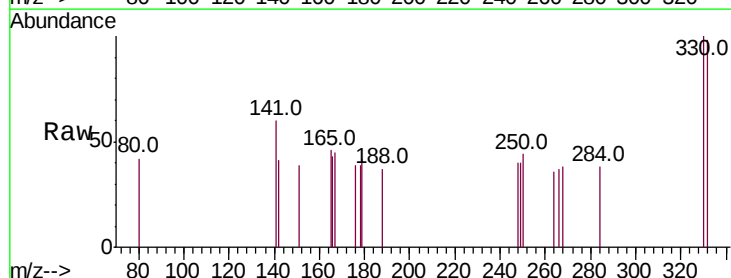
Instrument :
 BNA_E
 ClientSampleId :
 PB115420BS

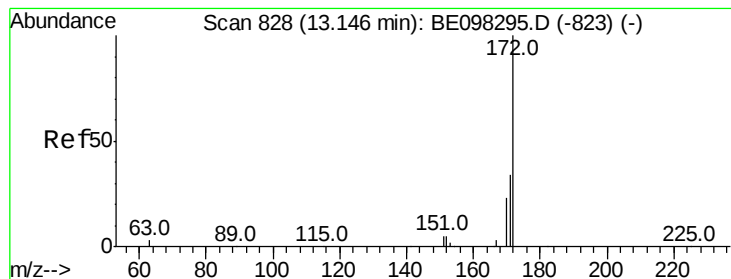
Tot Ion:164 Resp: 3002
 Ion Ratio Lower Upper
 164 100
 162 99.5 77.6 116.4
 160 48.4 36.0 54.0



#14
 2,4,6-Tribromophenol
 Concen: 0.195 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098328.D
 Acq: 11 Dec 2018 11:56

Tgt Ion:330 Resp: 215
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.2 114.4
 141 54.4 39.0 58.4

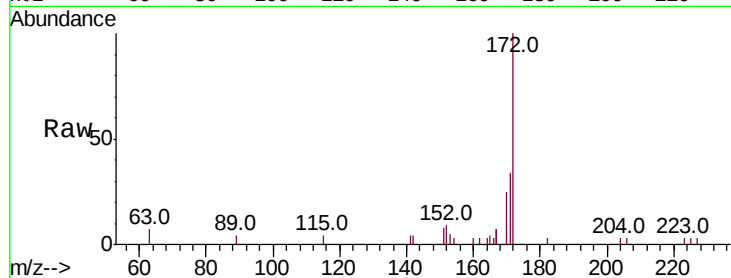




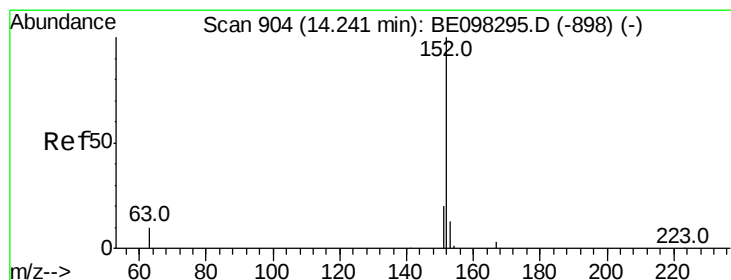
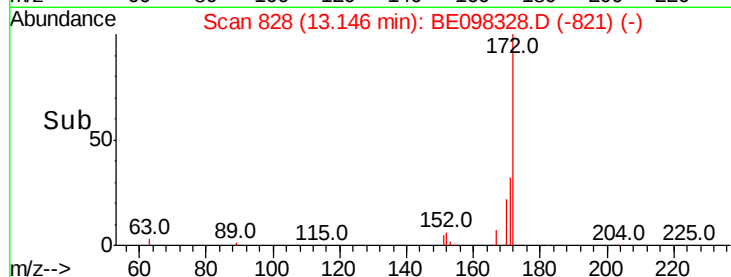
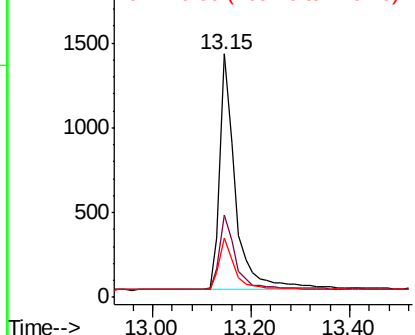
#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098328.D
Acq: 11 Dec 2018 11:56

Instrument :
BNA_E
ClientSampleId :
PB115420BS

Tot Ion:172 Resp: 3051
Ion Ratio Lower Upper
172 100
171 33.8 27.5 41.3
170 24.5 19.6 29.4

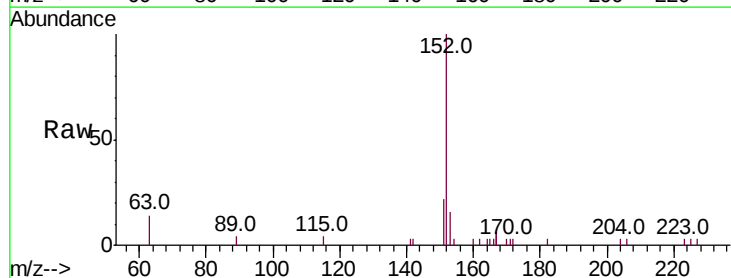


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

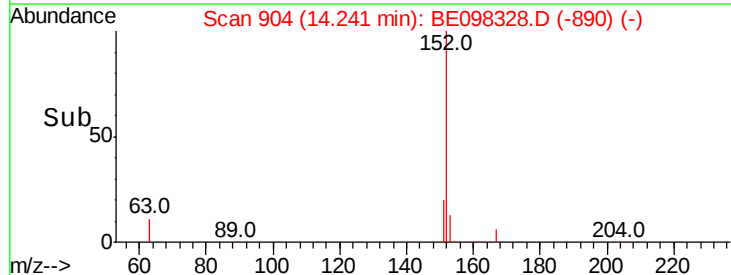
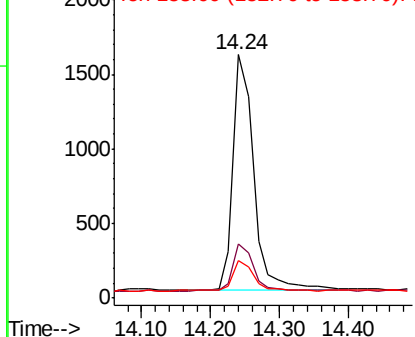


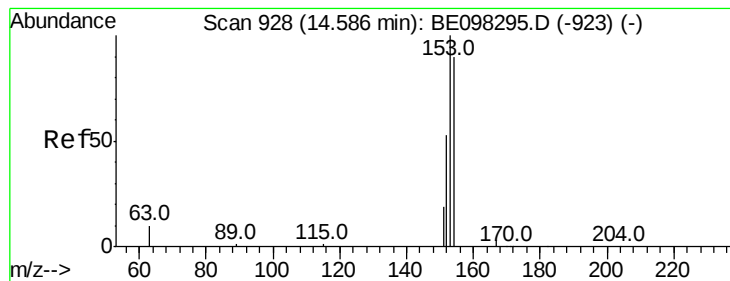
#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098328.D
Acq: 11 Dec 2018 11:56

Tgt Ion:152 Resp: 3312
Ion Ratio Lower Upper
152 100
151 20.3 15.5 23.3
153 13.2 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: 0.228 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

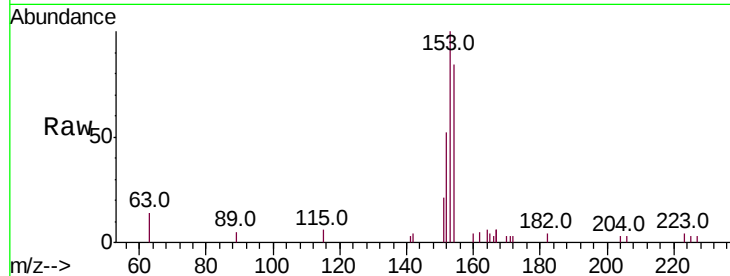
Tot Ion:154 Resp: 1927

Ion Ratio Lower Upper

154 100

153 114.7 91.8 137.6

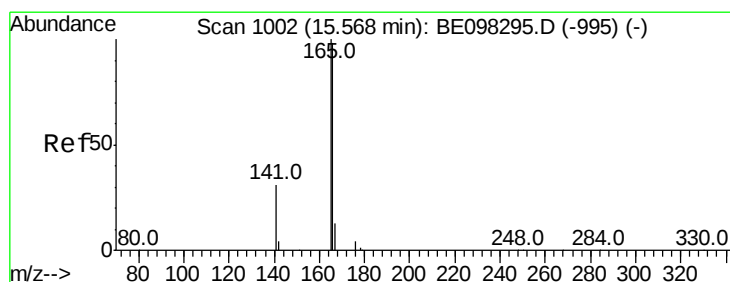
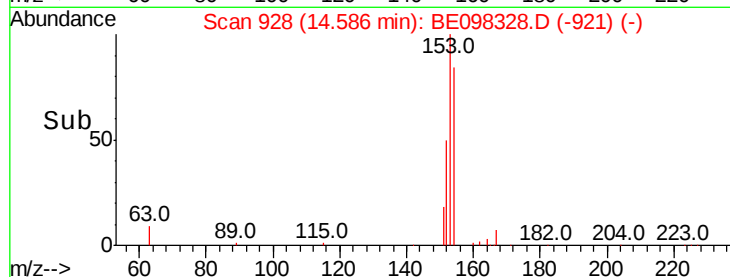
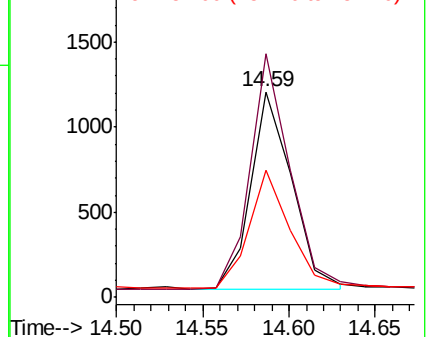
152 59.7 45.5 68.3



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: 0.228 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

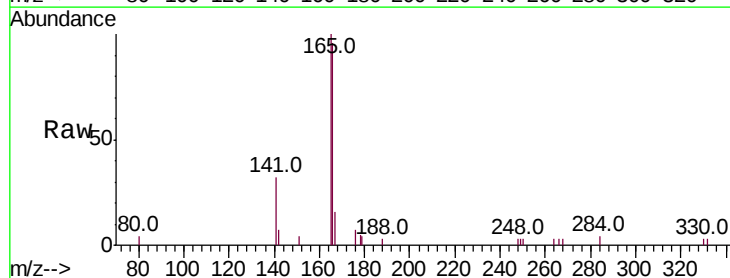
Tgt Ion:166 Resp: 2575

Ion Ratio Lower Upper

166 100

165 99.6 79.3 118.9

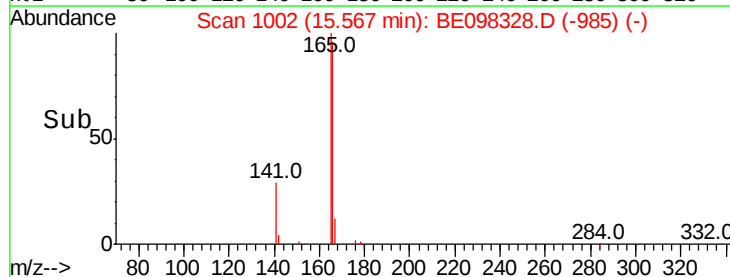
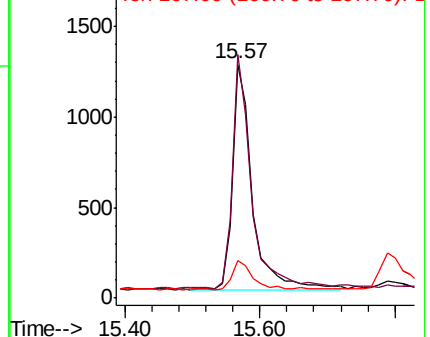
167 13.0 11.3 16.9

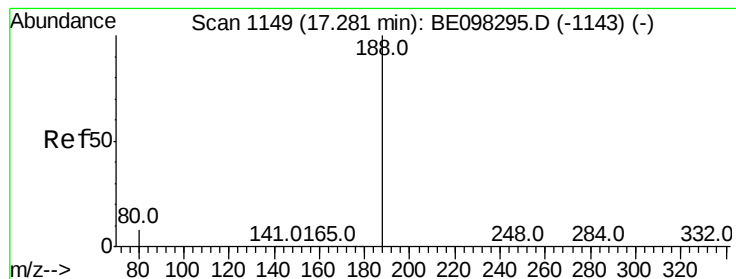


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

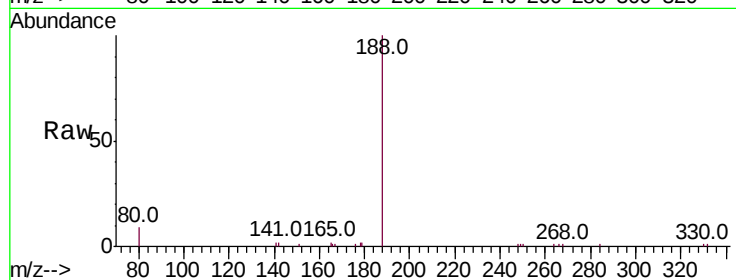
Tot Ion:188 Resp: 7856

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

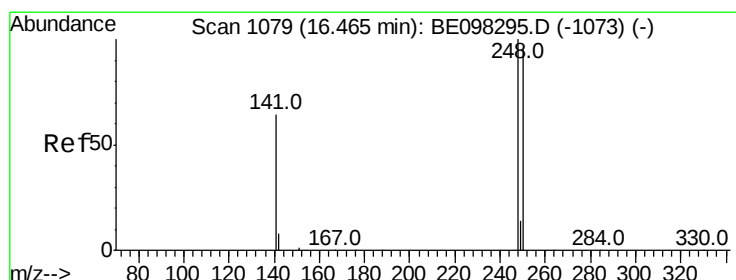
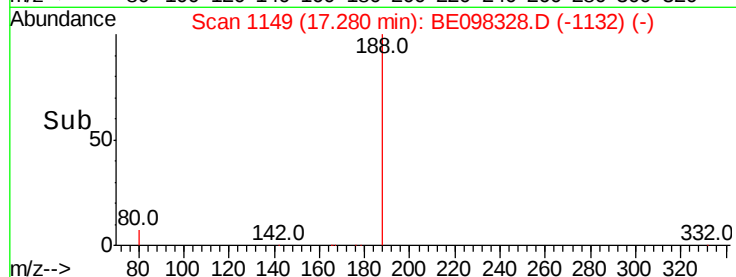
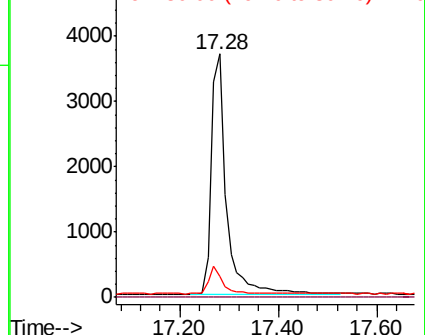
80 8.6 7.2 10.8



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: 0.202 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

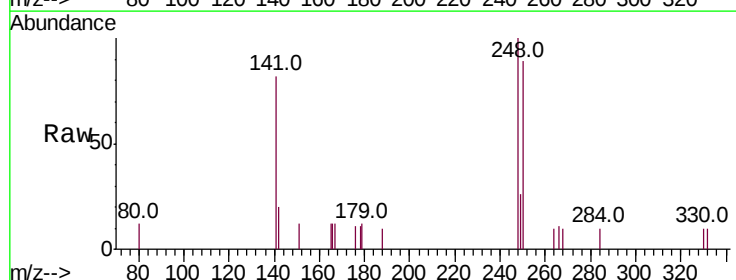
Tgt Ion:248 Resp: 855

Ion Ratio Lower Upper

248 100

250 89.1 71.0 106.6

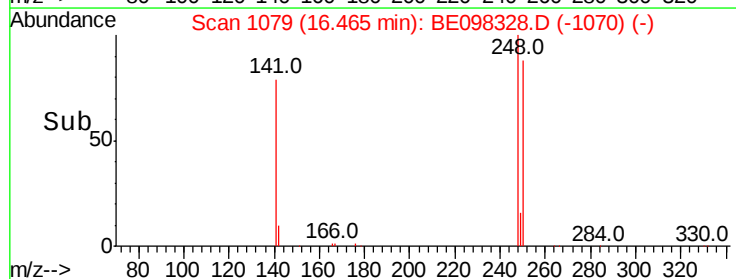
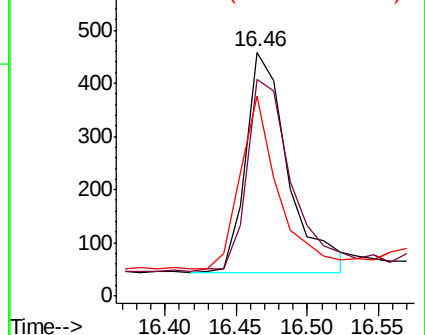
141 82.3 62.1 93.1

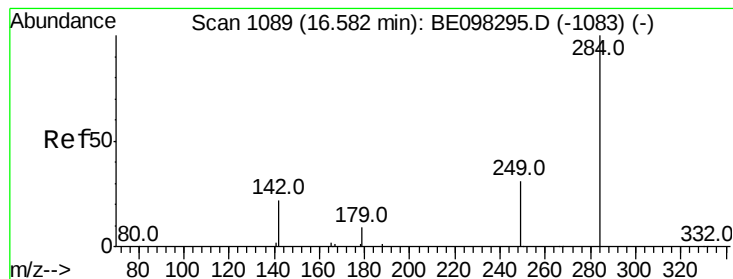


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.217 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

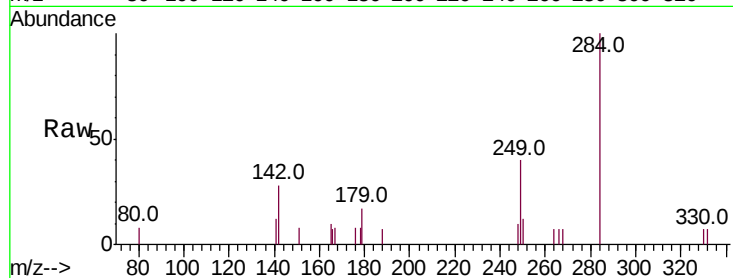
Tot Ion:284 Resp: 985

Ion Ratio Lower Upper

284 100

142 33.7 26.3 39.5

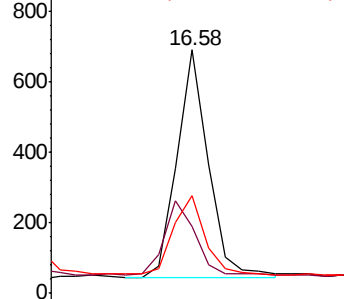
249 35.3 26.0 39.0



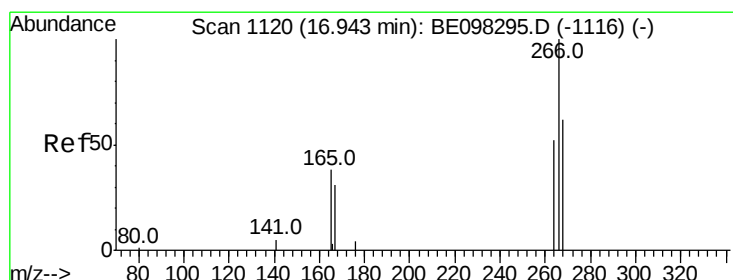
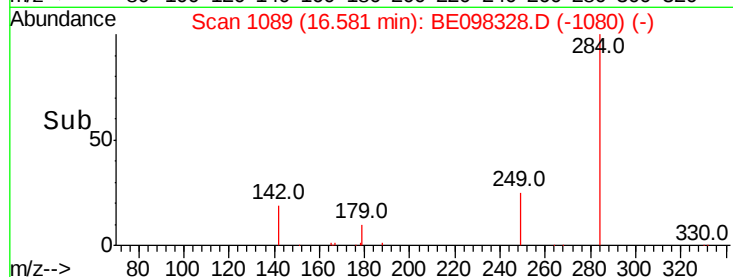
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.364 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

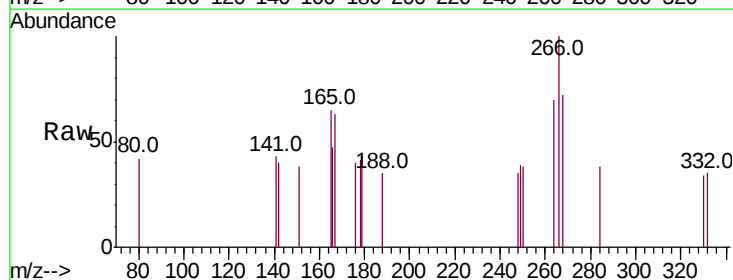
Tgt Ion:266 Resp: 262

Ion Ratio Lower Upper

266 100

264 70.3 59.0 88.4

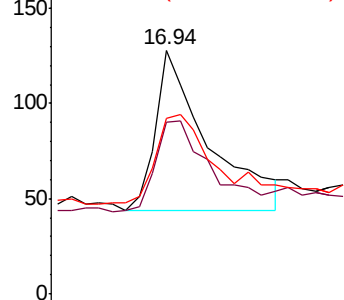
268 71.9 55.1 82.7



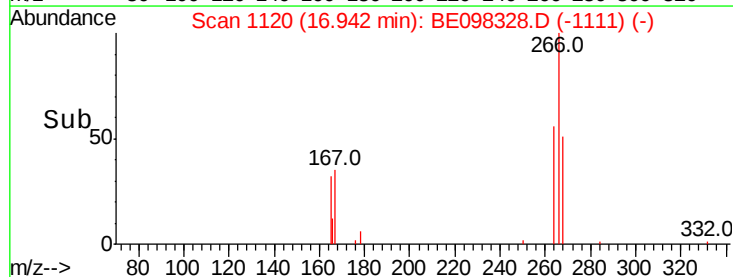
Abundance Ion 266.00 (265.70 to 266.70): E

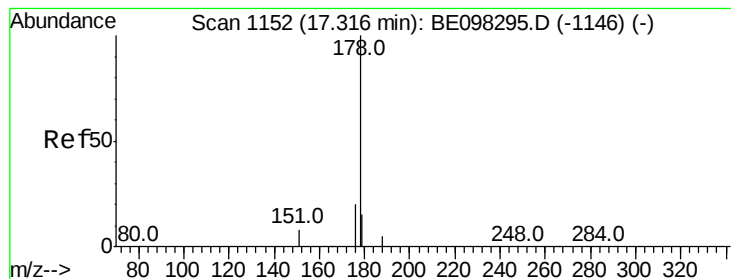
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.227 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

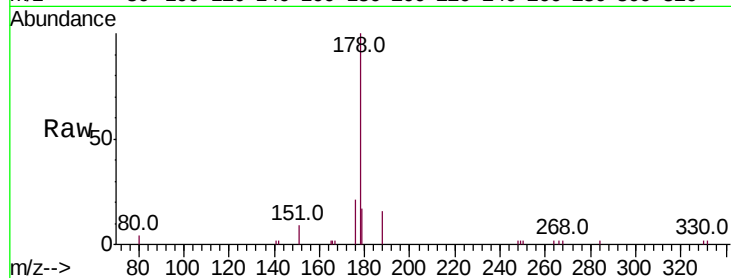
Tot Ion:178 Resp: 4339

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

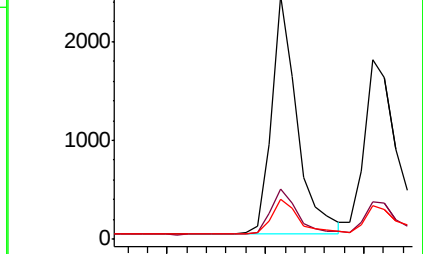
179 15.7 12.3 18.5



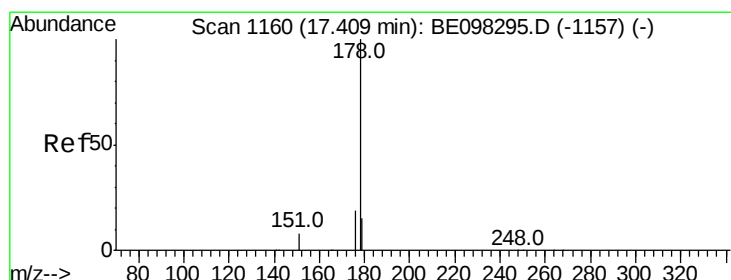
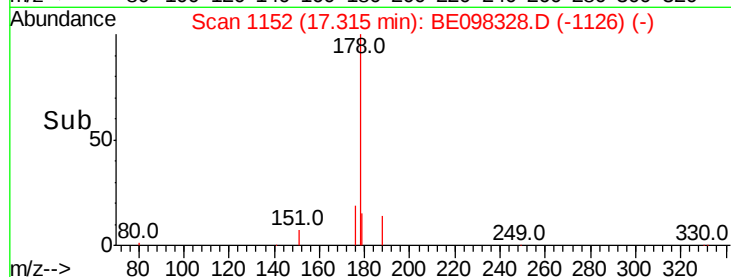
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.219 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

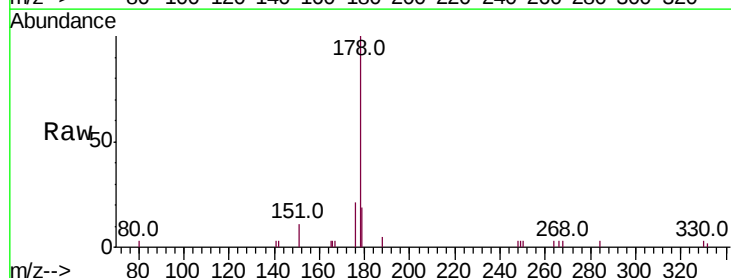
Tgt Ion:178 Resp: 3724

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

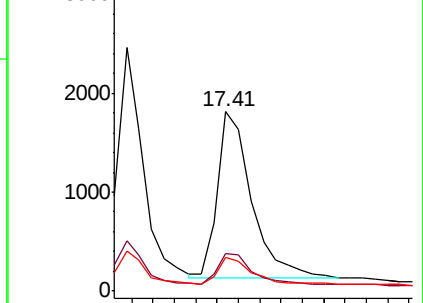
179 14.6 12.3 18.5



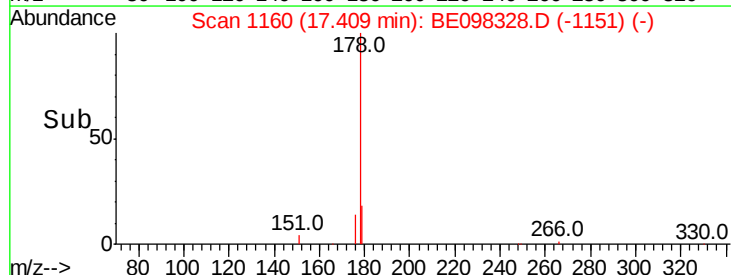
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.249 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

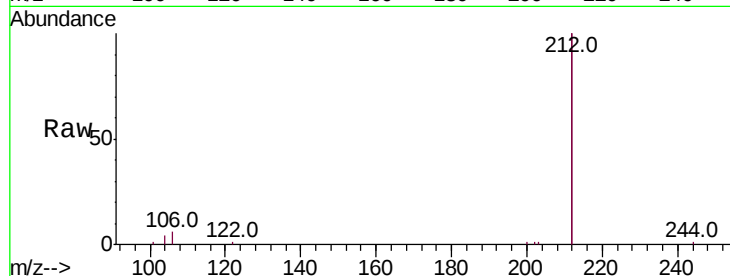
Tot Ion:212 Resp: 25056

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

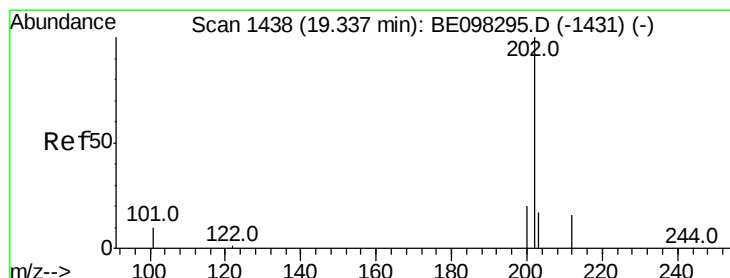
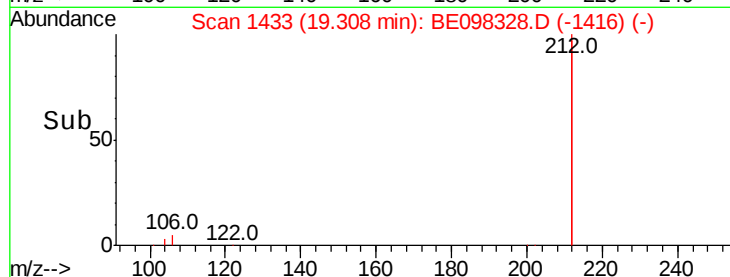
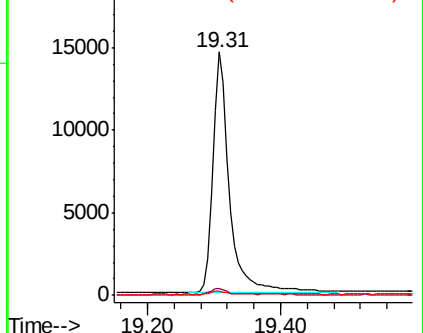
104 1.6 1.3 1.9



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: 0.245 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

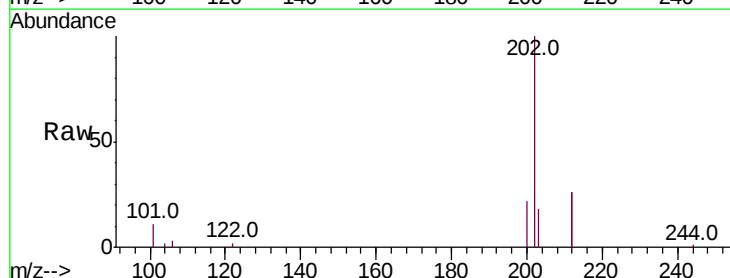
Tgt Ion:202 Resp: 6185

Ion Ratio Lower Upper

202 100

101 9.5 8.0 12.0

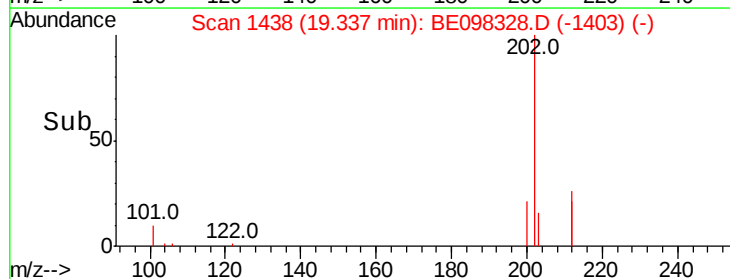
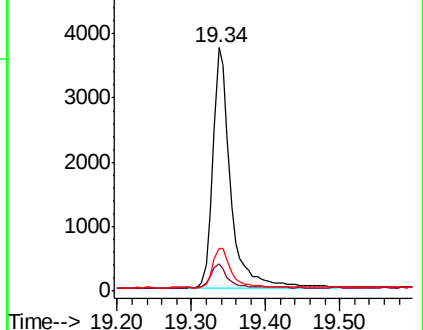
203 17.3 13.8 20.6



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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

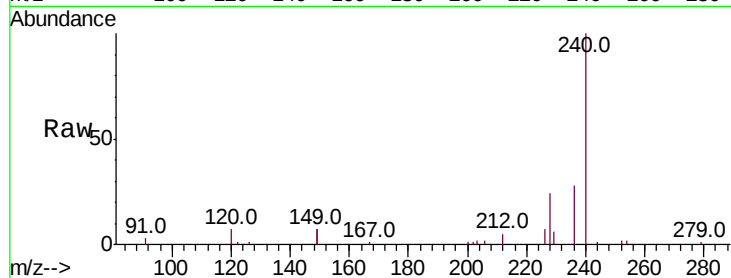
Tot Ion:240 Resp: 10833

Ion Ratio Lower Upper

240 100

120 7.4 9.5 14.3#

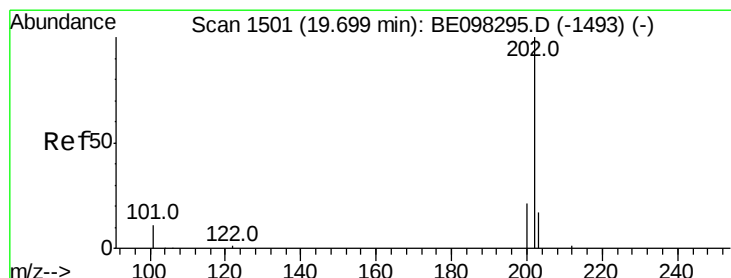
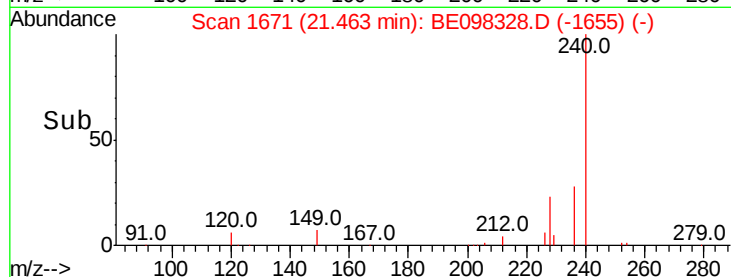
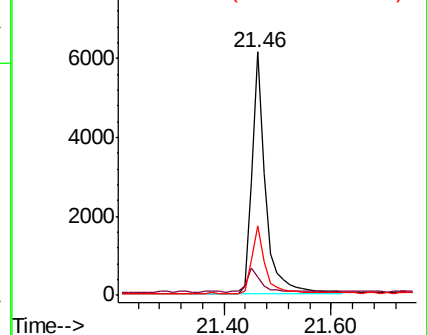
236 28.4 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.183 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

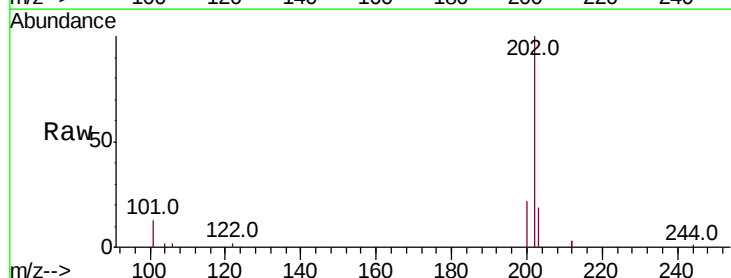
Tgt Ion:202 Resp: 6213

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

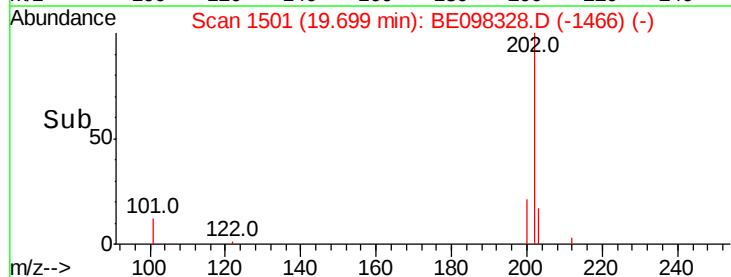
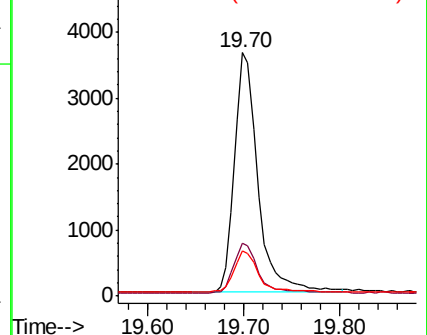
203 17.5 14.1 21.1



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: 0.182 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

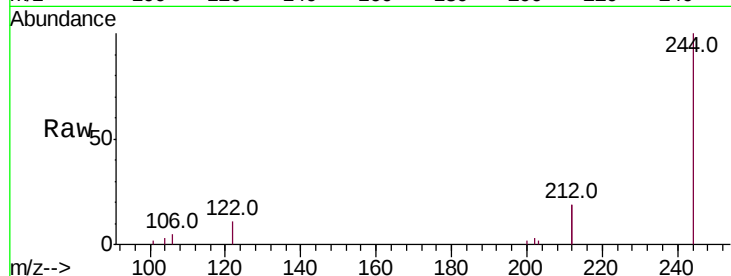
Tot Ion:244 Resp: 4781

Ion Ratio Lower Upper

244 100

212 37.6 27.4 41.0

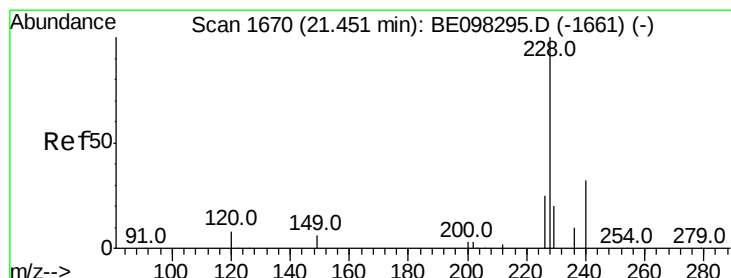
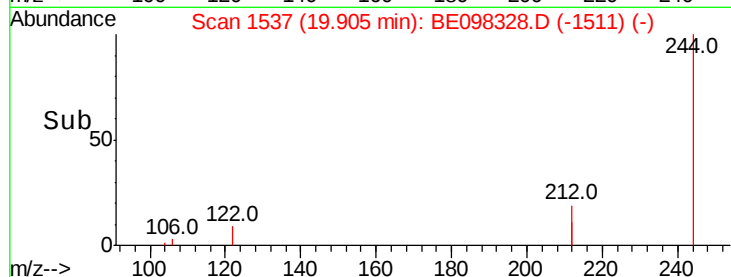
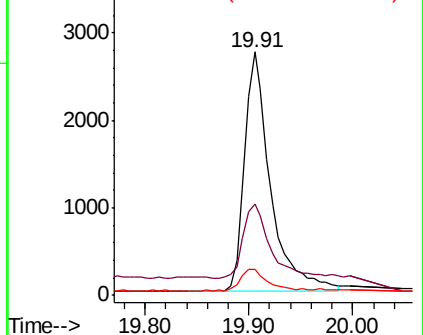
122 10.7 8.3 12.5



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: 0.224 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

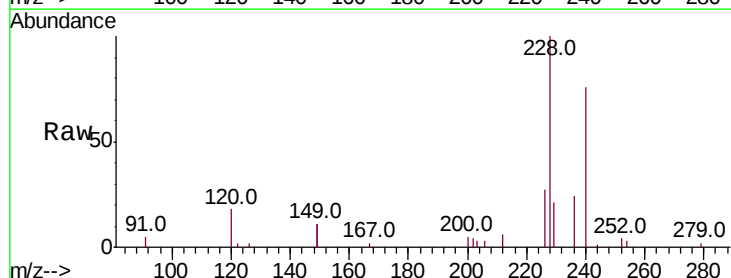
Tgt Ion:228 Resp: 6921

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

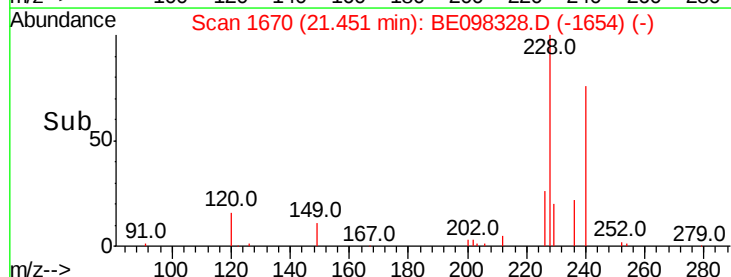
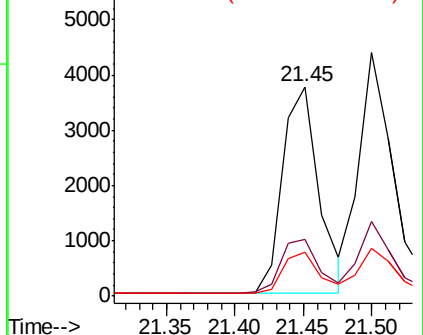
229 21.0 16.3 24.5



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: 0.230 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

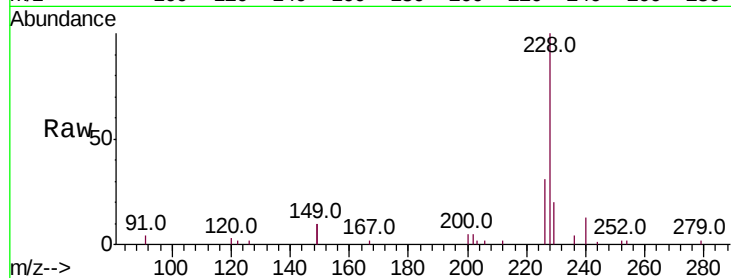
BNA_E

ClientSampleId :

PB115420BS

Tot Ion:228 Resp: 7418

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.0
229	19.6	16.2	24.4

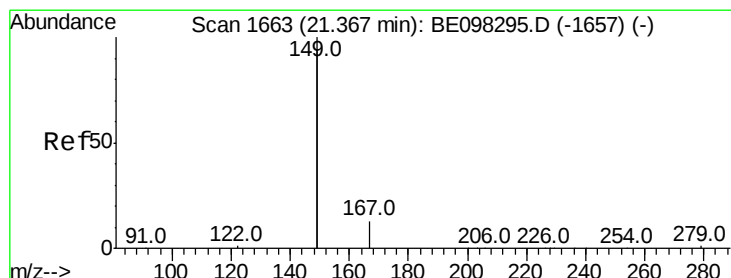
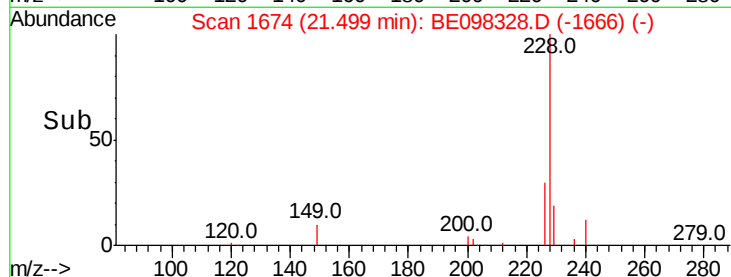
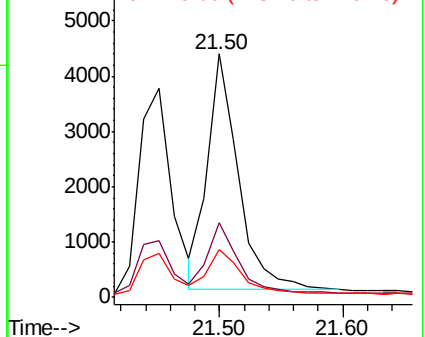


Abundance

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: 0.182 ng

RT: 21.37 min Scan# 1663

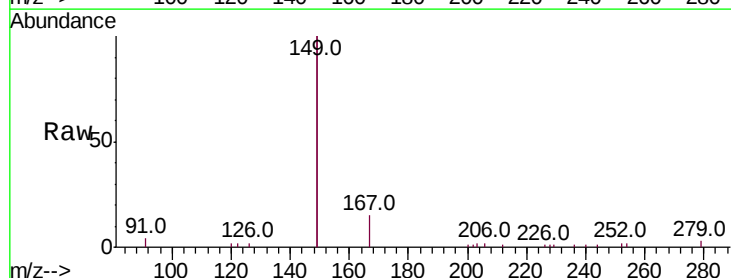
Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Tgt Ion:149 Resp: 11386

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.7	8.5
279	1.1	1.0	1.4

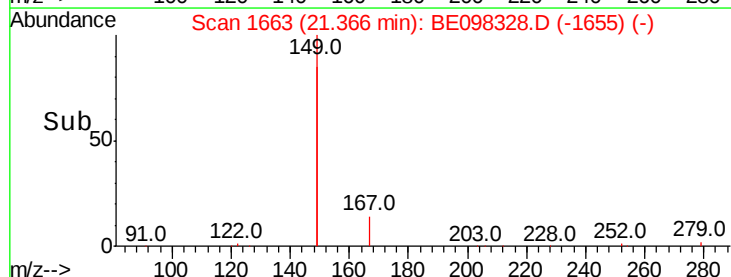
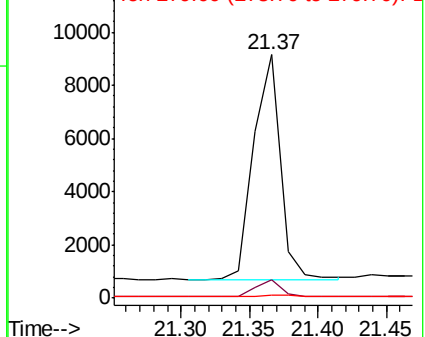


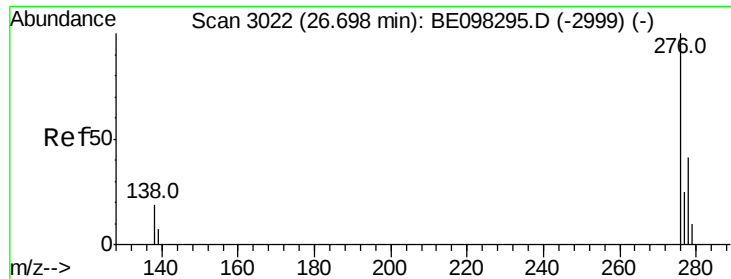
Abundance

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: 0.233 ng

RT: 26.71 min Scan# 3025

Delta R.T. 0.01 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

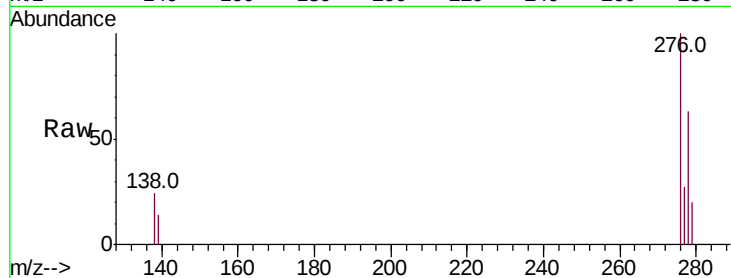
Tot Ion:276 Resp: 7481

Ion Ratio Lower Upper

276 100

138 8.9 16.3 24.5#

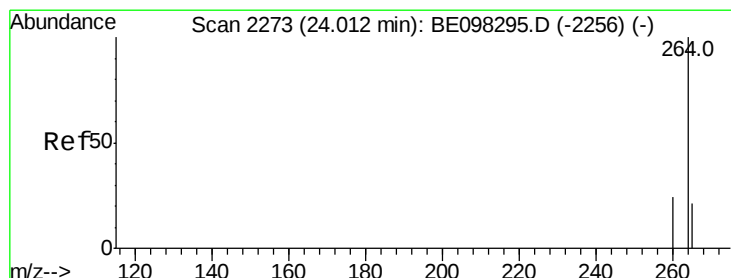
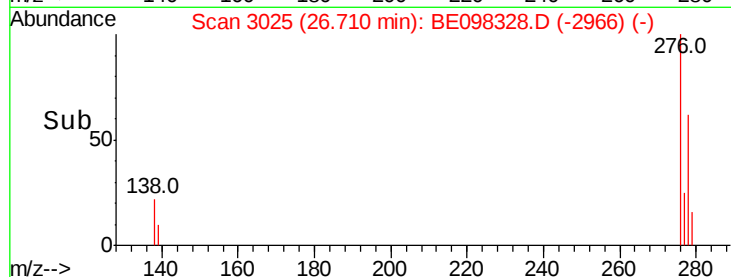
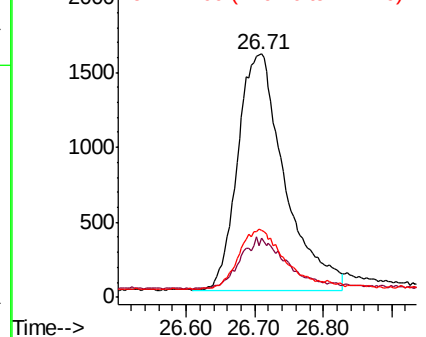
277 24.5 20.2 30.4



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

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

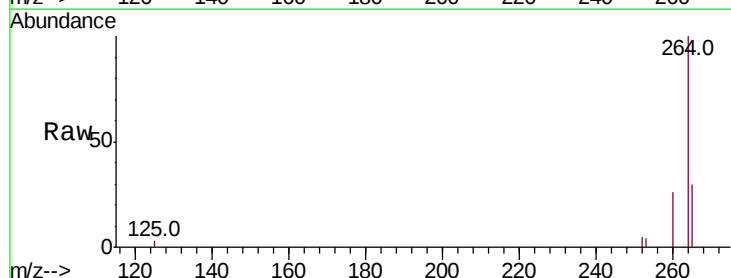
Tgt Ion:264 Resp: 10310

Ion Ratio Lower Upper

264 100

260 25.8 20.2 30.2

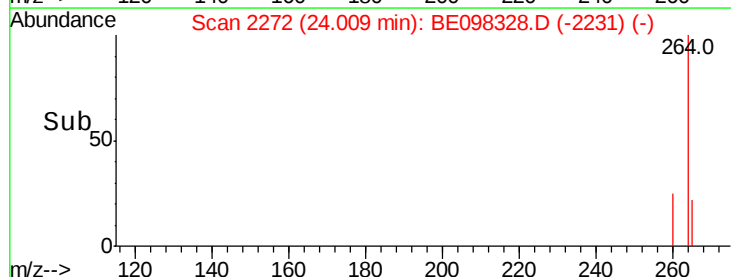
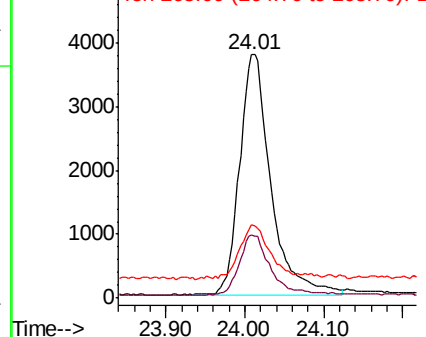
265 30.3 25.2 37.8

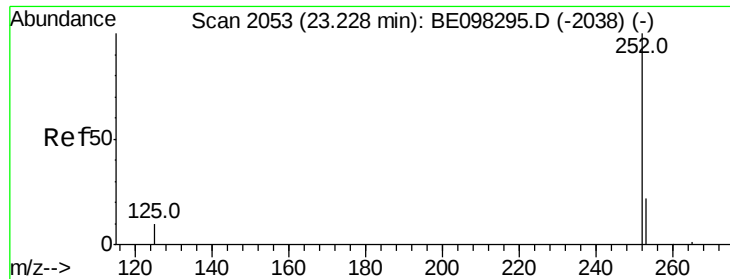


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.236 ng

RT: 23.23 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

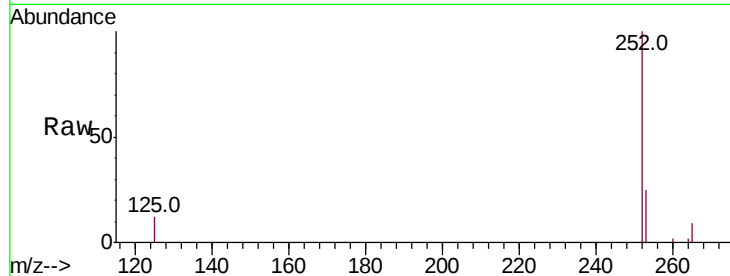
Tot Ion:252 Resp: 6644

Ion Ratio Lower Upper

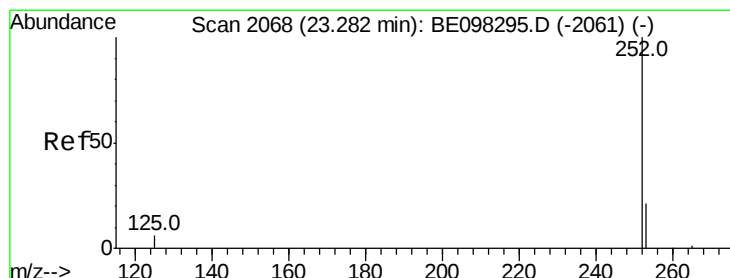
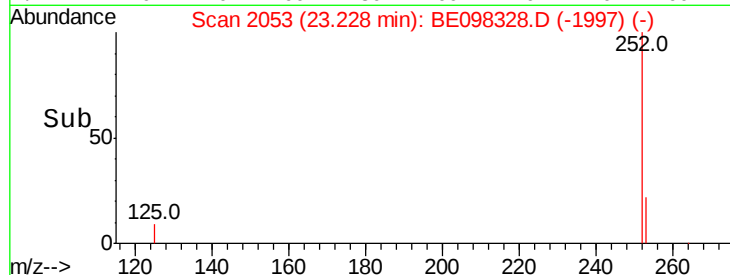
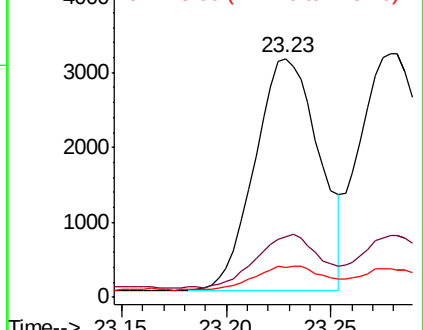
252 100

253 25.2 20.0 30.0

125 12.5 9.6 14.4



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



#36

Benzo(k)fluoranthene

Concen: 0.243 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

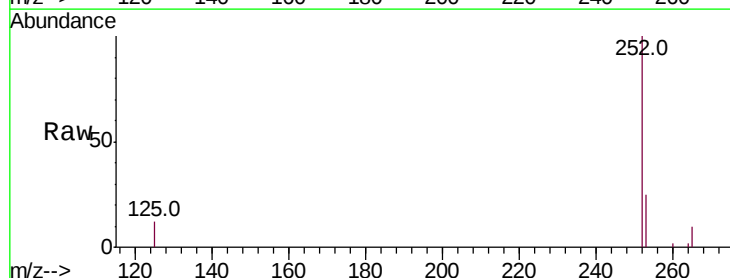
Tgt Ion:252 Resp: 7995

Ion Ratio Lower Upper

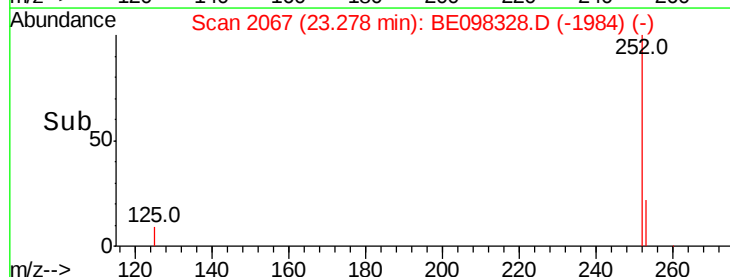
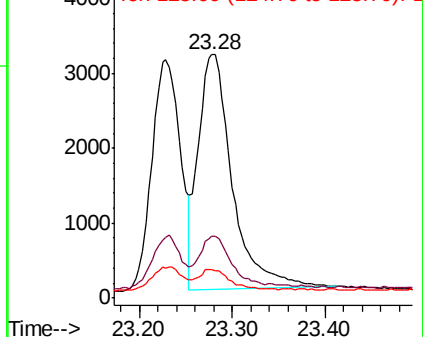
252 100

253 25.4 19.0 28.6

125 11.7 9.1 13.7



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: 0.236 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

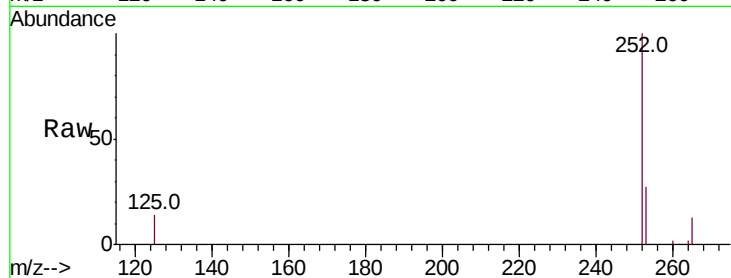
Tot Ion:252 Resp: 6854

Ion Ratio Lower Upper

252 100

253 26.8 20.6 30.8

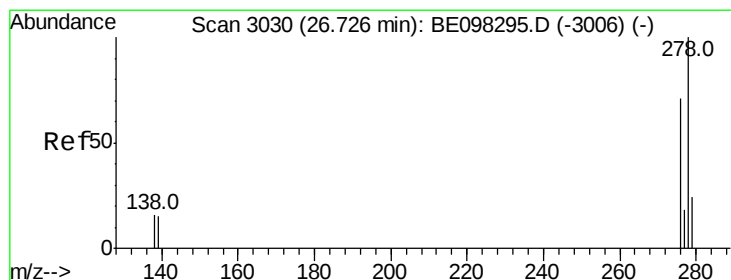
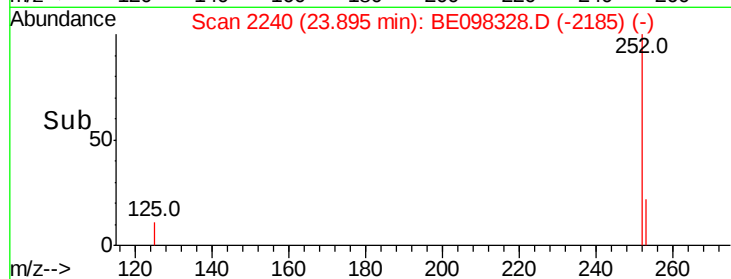
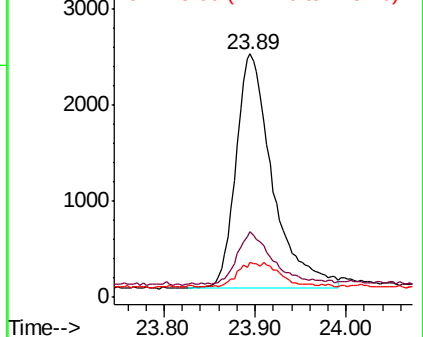
125 14.2 10.5 15.7



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: 0.225 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

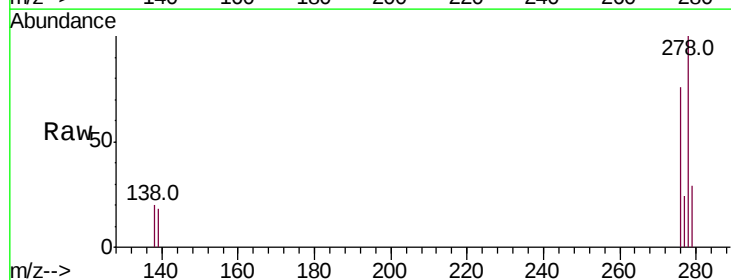
Tgt Ion:278 Resp: 6174

Ion Ratio Lower Upper

278 100

139 18.4 14.5 21.7

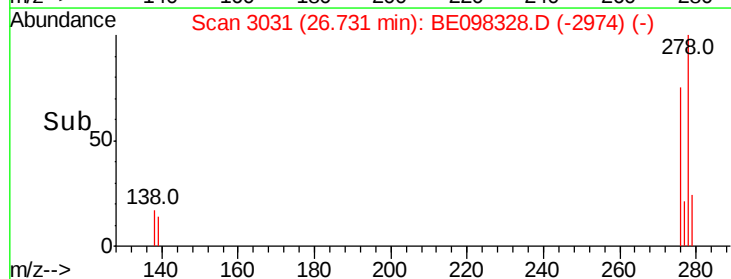
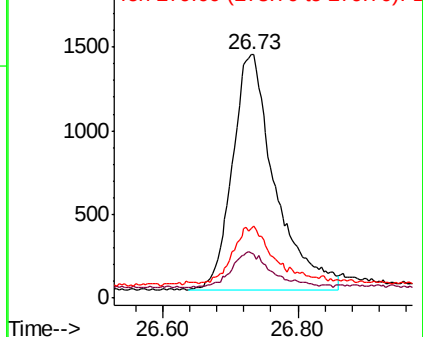
279 28.7 21.8 32.8

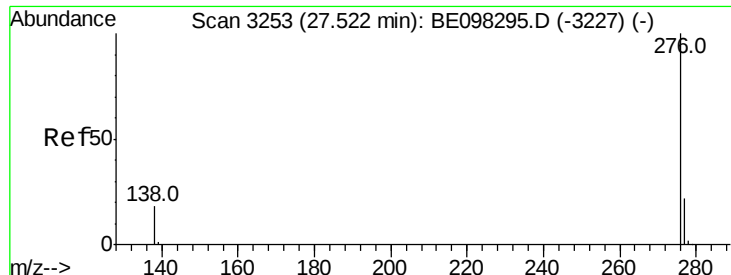


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.239 ng

RT: 27.53 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE098328.D

Acq: 11 Dec 2018 11:56

Instrument :

BNA_E

ClientSampleId :

PB115420BS

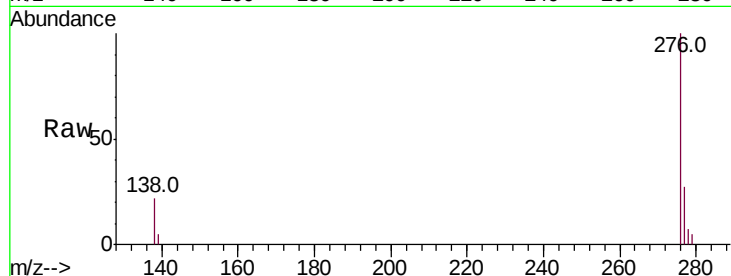
Tot Ion:276 Resp: 6610

Ion Ratio Lower Upper

276 100

277 27.2 20.8 31.2

138 22.0 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

