

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
 Data File : BE098483.D
 Acq On : 15 Dec 2018 21:51
 Operator : SJ/JU
 Sample : PB115688BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115688BS

Quant Time: Dec 16 02:35:27 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	784	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3066	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1811	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5138	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	6585	0.40	ng	0.00
34) Perylene-d12	24.00	264	6096	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	472	0.26	ng	0.02
5) Phenol-d6	7.06	99	603	0.23	ng	0.00
8) Nitrobenzene-d5	9.03	82	549	0.20	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	1274	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	154	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1808	0.24	ng	0.00
25) Fluoranthene-d10	19.30	212	16576	0.25	ng	0.00
29) Terphenyl-d14	19.90	244	2895	0.18	ng	0.00

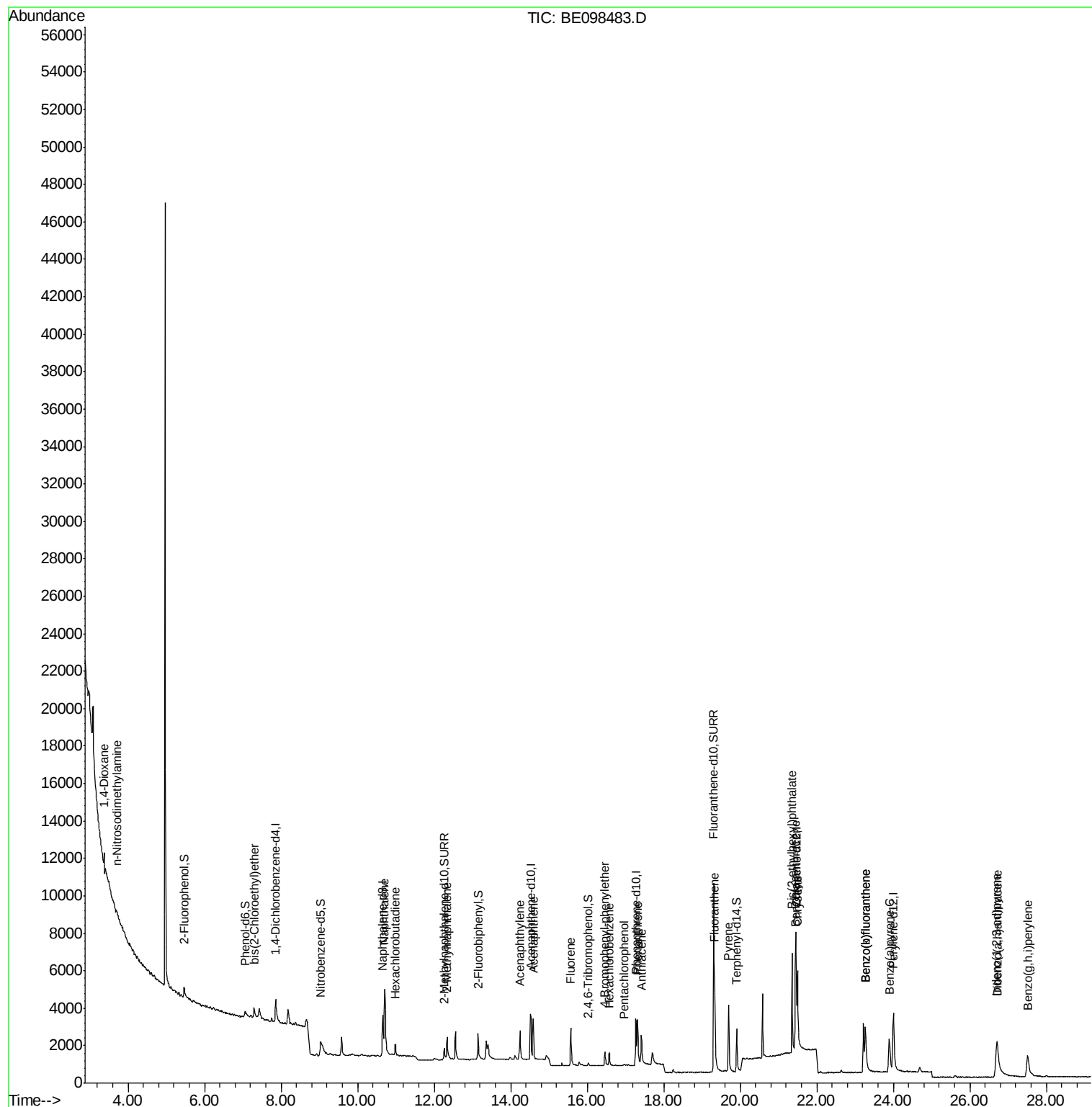
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	406	0.299	ng	# 77
3) n-Nitrosodimethylamine	3.70	42	193	0.158	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	410	0.166	ng	93
9) Naphthalene	10.71	128	7275	0.236	ng	# 97
10) Hexachlorobutadiene	10.99	225	481	0.245	ng	96
12) 2-Methylnaphthalene	12.34	142	1115	0.222	ng	# 92
16) Acenaphthylene	14.24	152	2074	0.244	ng	98
17) Acenaphthene	14.59	154	1130	0.222	ng	97
18) Fluorene	15.57	166	1576	0.231	ng	96
20) 4-Bromophenyl-phenylether	16.46	248	499	0.180	ng	94
21) Hexachlorobenzene	16.58	284	617	0.208	ng	# 91
22) Pentachlorophenol	16.95	266	59	0.144	ng	# 78
23) Phenanthrene	17.31	178	2857	0.229	ng	100
24) Anthracene	17.41	178	2152	0.193	ng	98
26) Fluoranthene	19.33	202	4113	0.249	ng	98
28) Pyrene	19.69	202	4117	0.199	ng	100
30) Benzo(a)anthracene	21.44	228	4094	0.218	ng	98
31) Chrysene	21.50	228	4399	0.224	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	5758	0.151	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	4358	0.223	ng	97
35) Benzo(b)fluoranthene	23.27	252	4809	0.288	ng	98
36) Benzo(k)fluoranthene	23.27	252	4895	0.252	ng	97
37) Benzo(a)pyrene	23.89	252	4310	0.251	ng	# 88
38) Dibenzo(a,h)anthracene	26.72	278	3162	0.195	ng	# 92
39) Benzo(g,h,i)perylene	27.51	276	3598	0.220	ng	97

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

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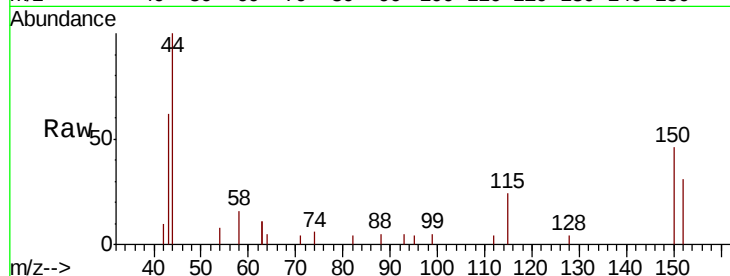


#1

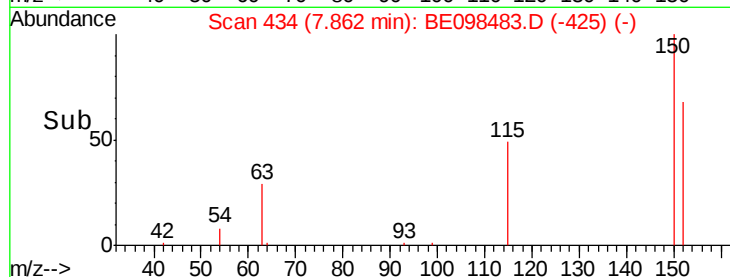
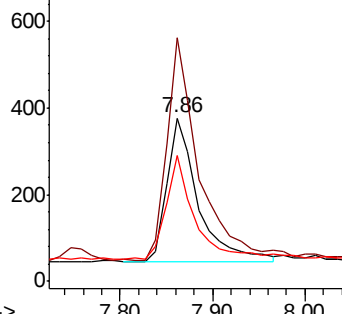
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098483.D
Acq: 15 Dec 2018 21:51

Instrument :
BNA_E
ClientSampleId :
PB115688BS

Tgt Ion:152 Resp: 784
Ion Ratio Lower Upper
152 100
150 149.1 124.2 186.4
115 77.2 53.9 80.9



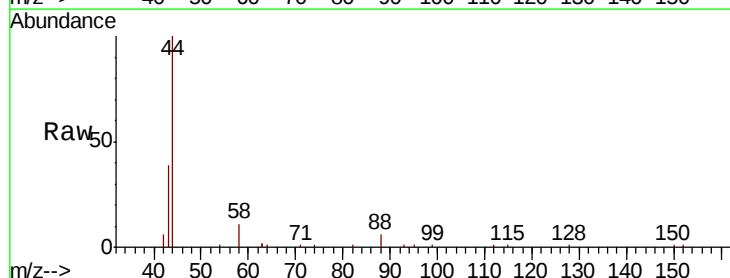
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



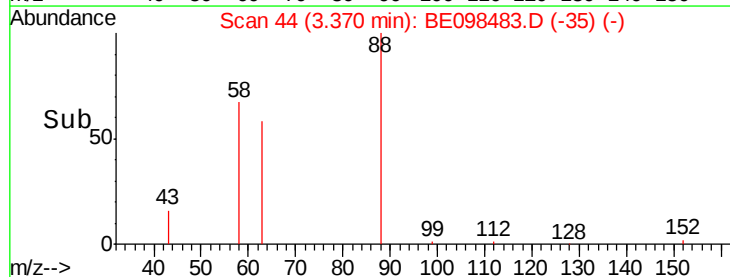
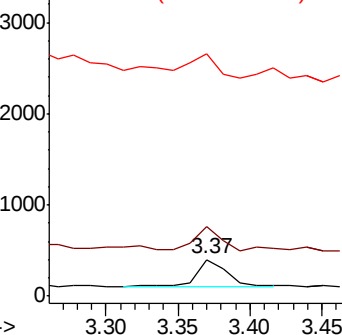
#2

1,4-Dioxane
Concen: 0.299 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098483.D
Acq: 15 Dec 2018 21:51

Tgt Ion: 88 Resp: 406
Ion Ratio Lower Upper
88 100
58 85.2 75.0 112.6
43 83.0 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: 0.158 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

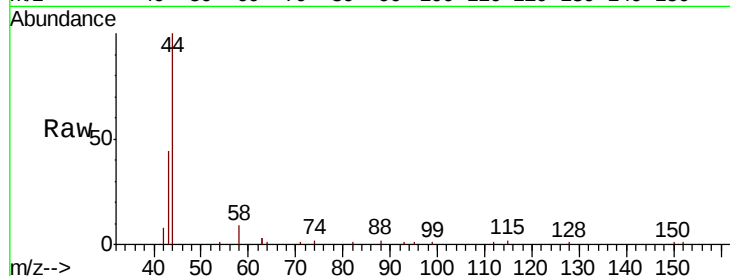
Tgt Ion: 42 Resp: 193

Ion Ratio Lower Upper

42 100

74 77.7 0.0 0.0#

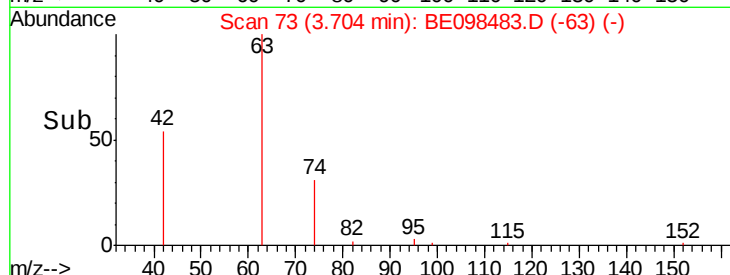
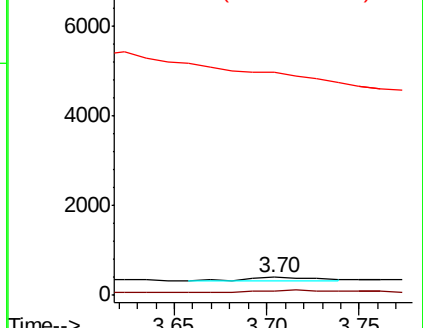
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.257 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.02 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

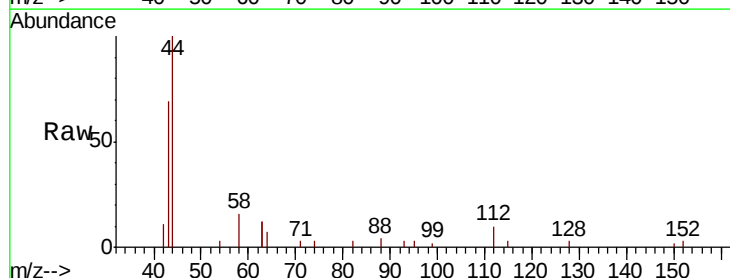
Tgt Ion: 112 Resp: 472

Ion Ratio Lower Upper

112 100

64 72.5 59.8 89.8

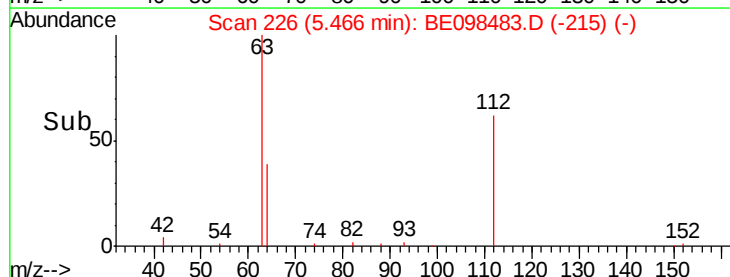
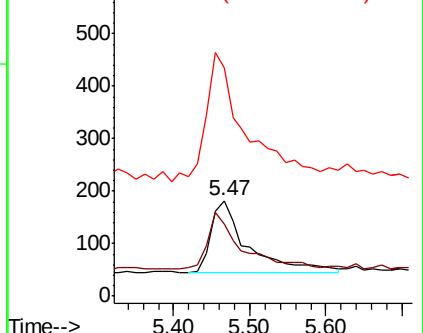
63 191.5 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.232 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

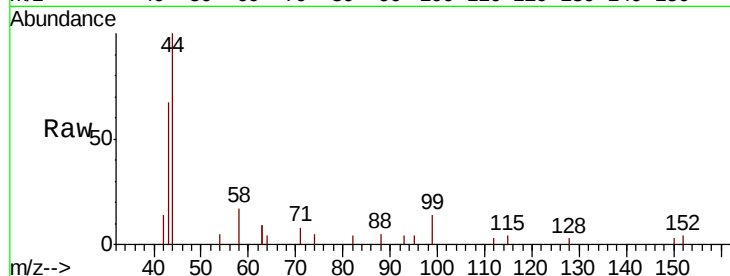
Tgt Ion: 99 Resp: 603

Ion Ratio Lower Upper

99 100

42 22.6 26.3 39.5#

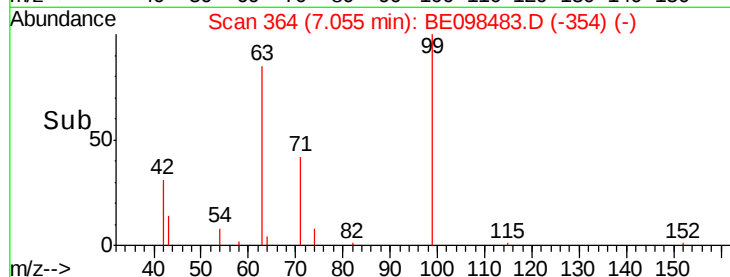
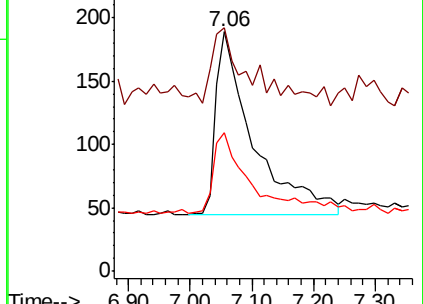
71 45.1 33.6 50.4



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



#6

bis(2-Chloroethyl)ether

Concen: 0.166 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

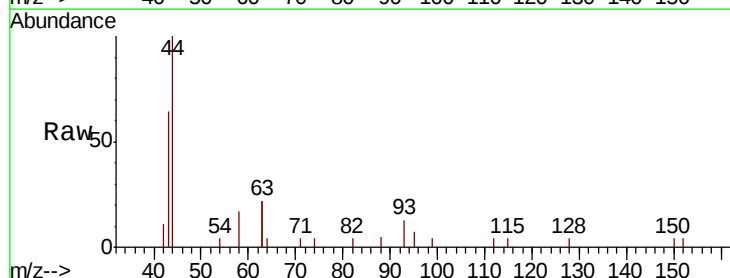
Tgt Ion: 93 Resp: 410

Ion Ratio Lower Upper

93 100

63 315.6 264.4 396.6

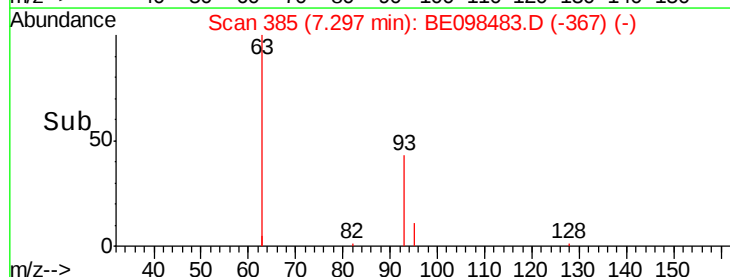
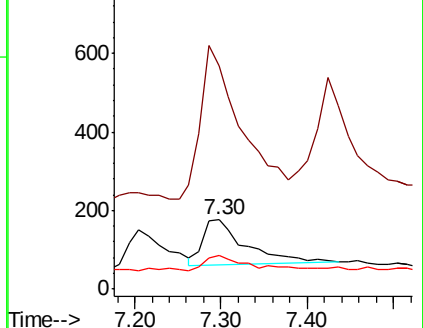
95 33.7 26.6 40.0



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

Tgt Ion: 136 Resp: 3066

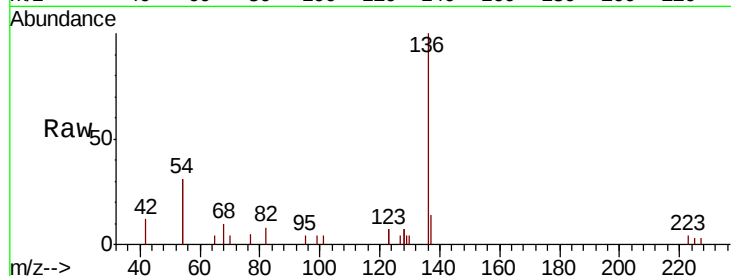
Ion Ratio Lower Upper

136 100

137 14.0 9.2 13.8#

54 62.9 28.4 42.6#

68 9.9 5.4 8.0#

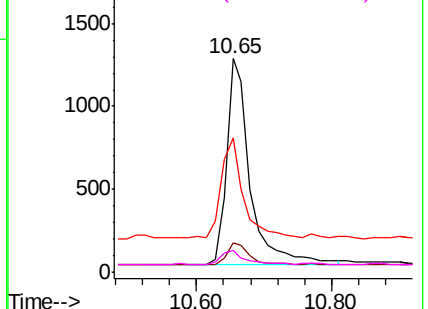
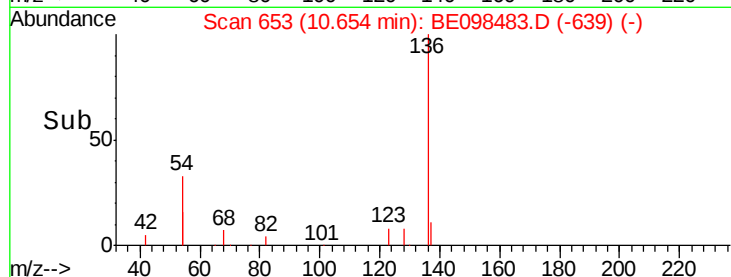


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.197 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

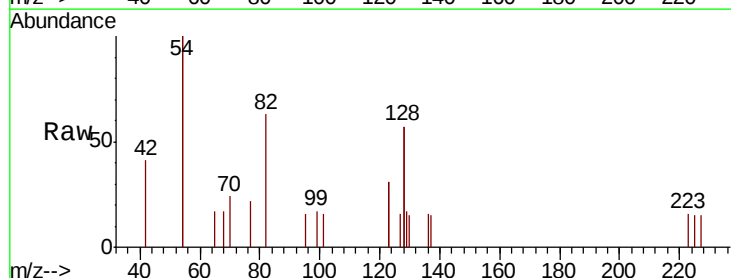
Tgt Ion: 82 Resp: 549

Ion Ratio Lower Upper

82 100

128 183.1 102.4 153.6#

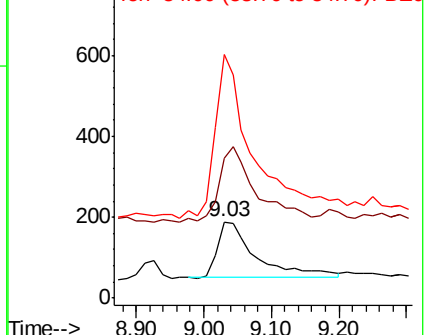
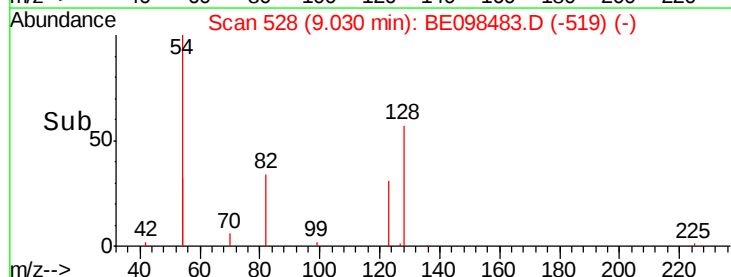
54 318.5 221.8 332.8



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: 0.236 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

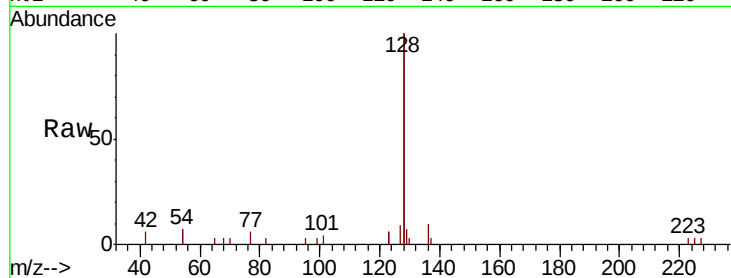
Tgt Ion:128 Resp: 7275

Ion Ratio Lower Upper

128 100

129 3.7 2.5 3.7#

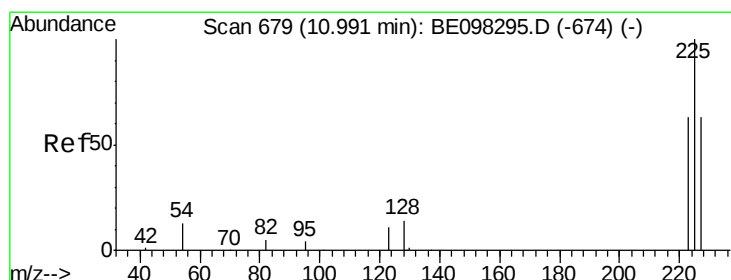
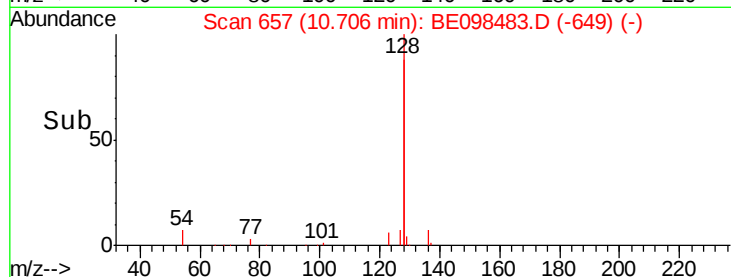
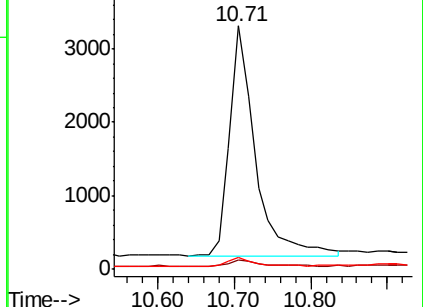
127 4.7 2.7 4.1#



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



#10

Hexachlorobutadiene

Concen: 0.245 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

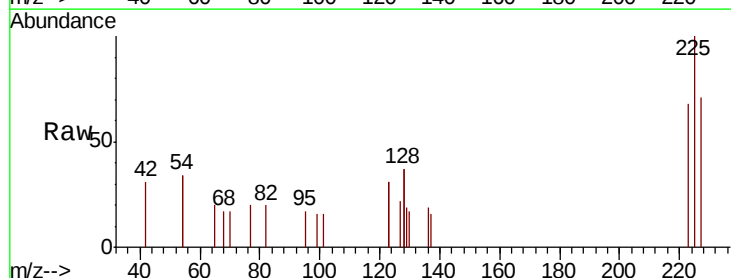
Tgt Ion:225 Resp: 481

Ion Ratio Lower Upper

225 100

223 67.4 49.4 74.0

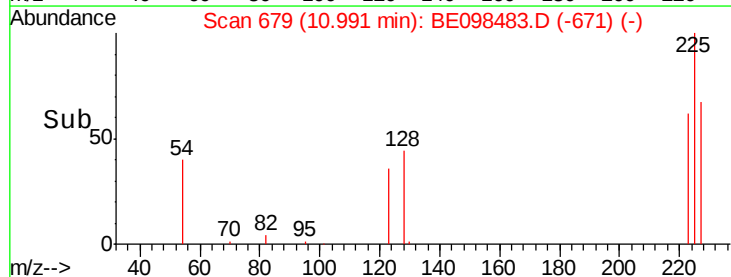
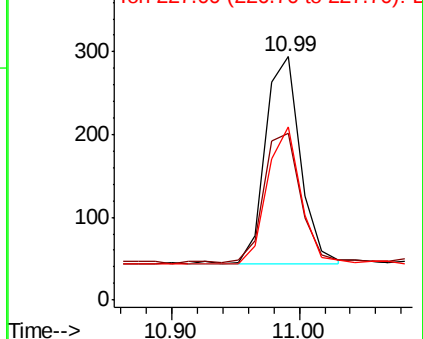
227 63.8 52.0 78.0



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: 0.256 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

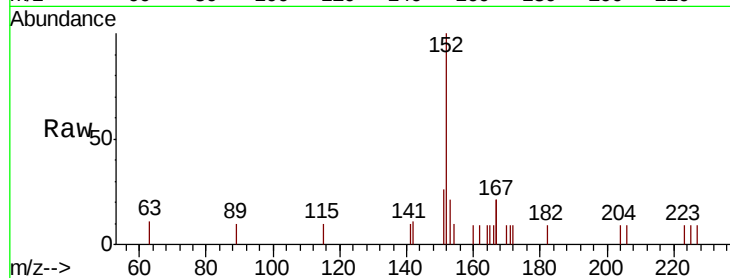
PB115688BS

Tgt Ion:152 Resp: 1274

Ion Ratio Lower Upper

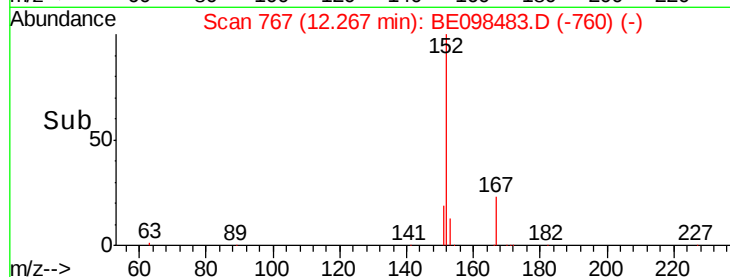
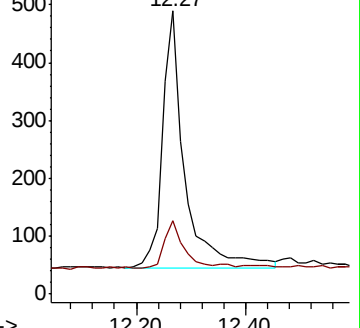
152 100

151 16.8 16.2 24.4

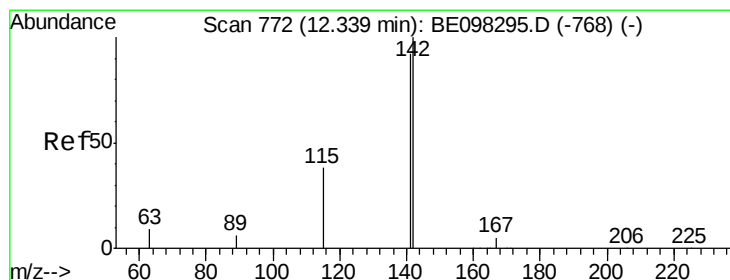


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.222 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

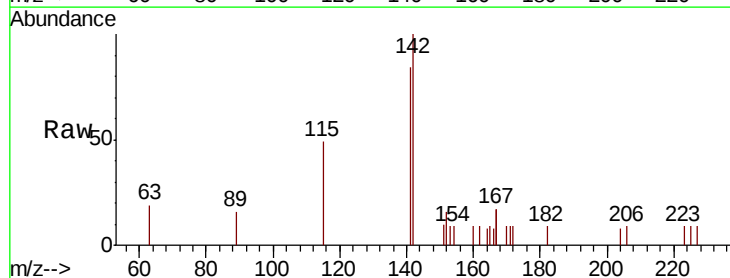
Tgt Ion:142 Resp: 1115

Ion Ratio Lower Upper

142 100

141 83.7 71.0 106.6

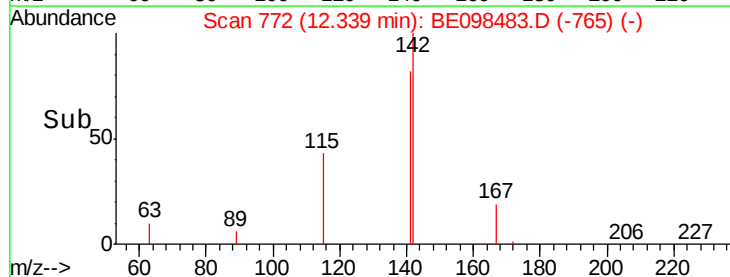
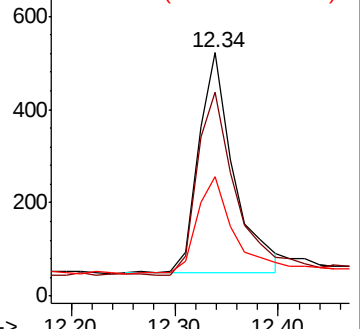
115 49.2 32.2 48.2#



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



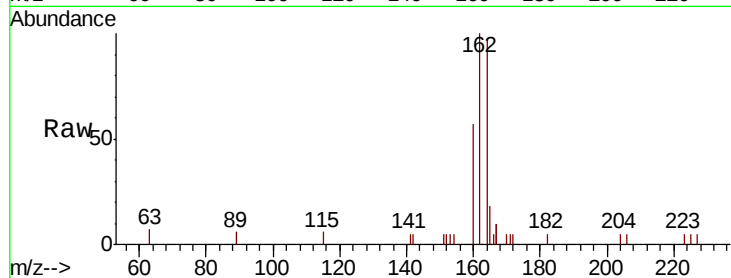
Time-->



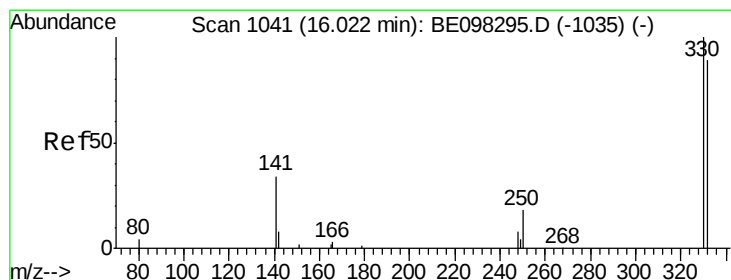
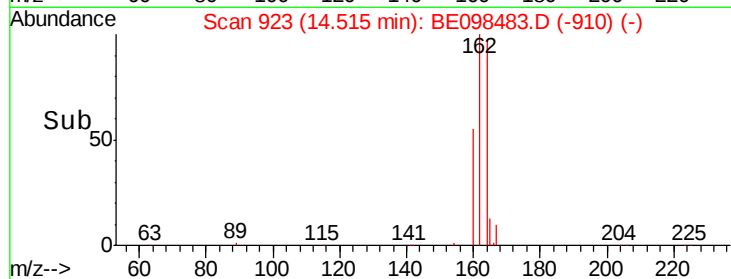
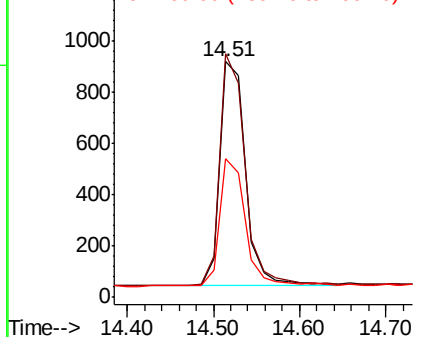
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098483.D
 Acq: 15 Dec 2018 21:51

Instrument :
 BNA_E
 ClientSampleId :
 PB115688BS

Tgt Ion:164 Resp: 1811
 Ion Ratio Lower Upper
 164 100
 162 103.4 77.6 116.4
 160 58.9 36.0 54.0#

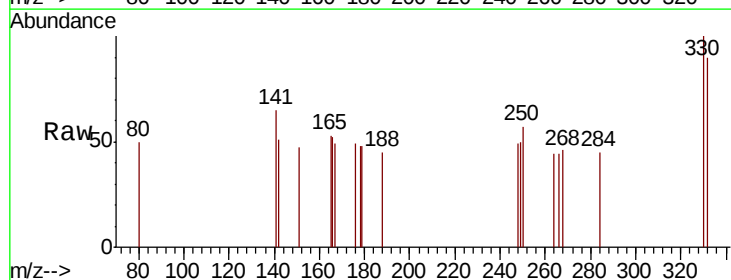


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

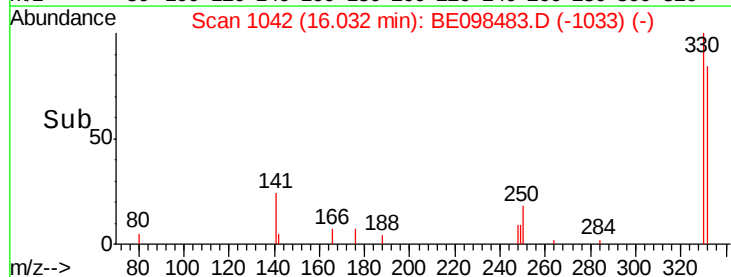
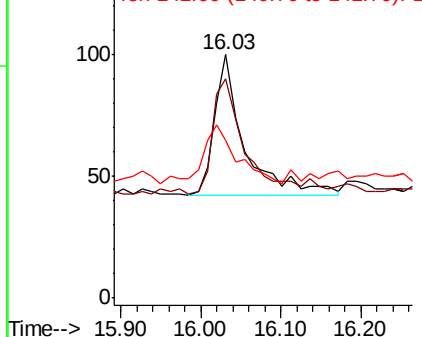


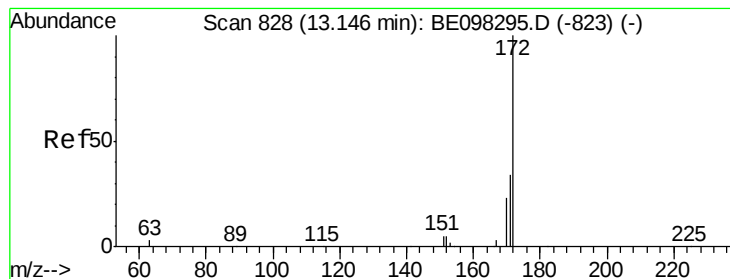
#14
 2,4,6-Tribromophenol
 Concen: 0.232 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098483.D
 Acq: 15 Dec 2018 21:51

Tgt Ion:330 Resp: 154
 Ion Ratio Lower Upper
 330 100
 332 82.5 76.2 114.4
 141 47.4 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: 0.237 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

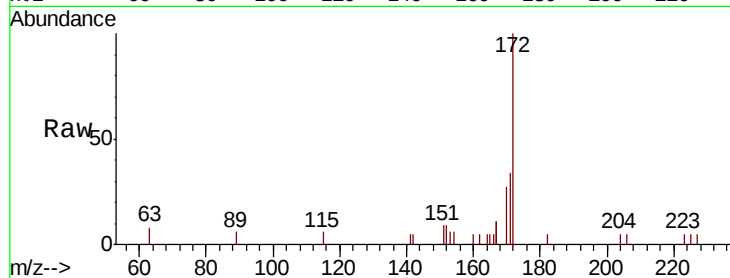
Tgt Ion:172 Resp: 1808

Ion Ratio Lower Upper

172 100

171 33.6 27.5 41.3

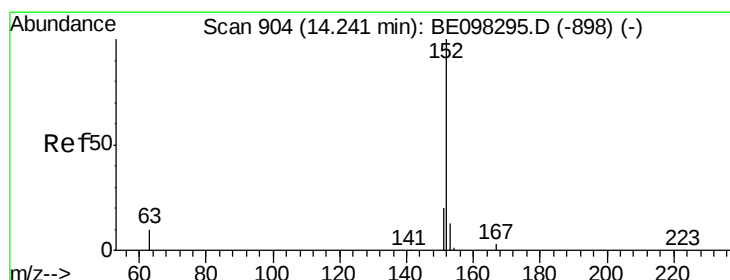
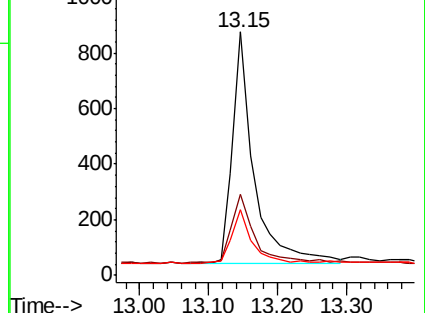
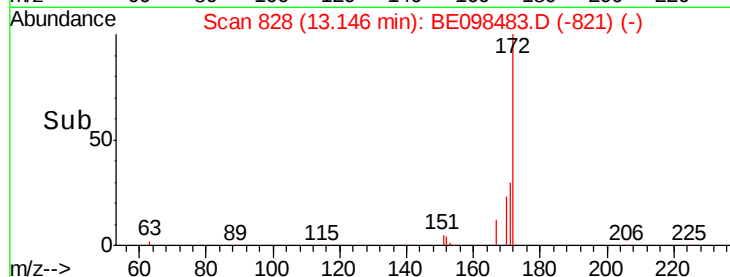
170 26.9 19.6 29.4



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: 0.244 ng

RT: 14.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

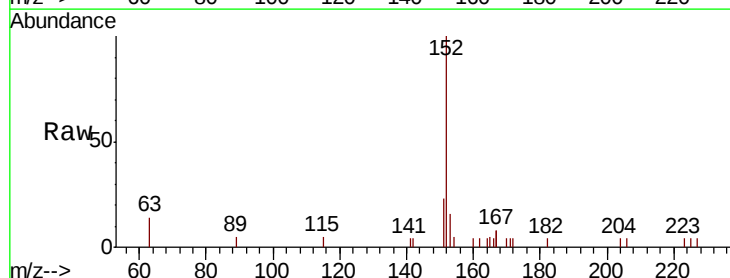
Tgt Ion:152 Resp: 2074

Ion Ratio Lower Upper

152 100

151 20.5 15.5 23.3

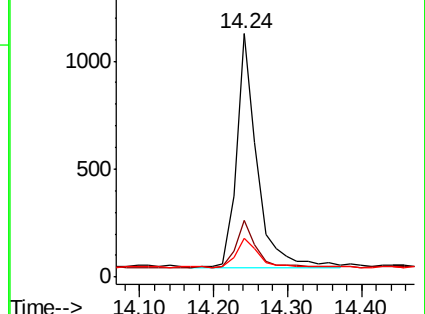
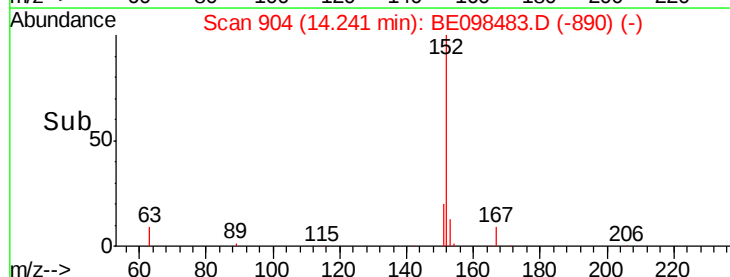
153 13.7 10.6 16.0



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

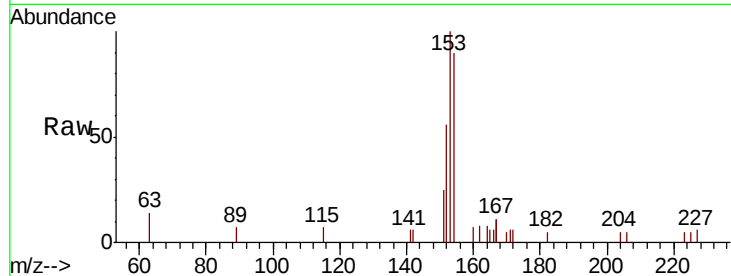




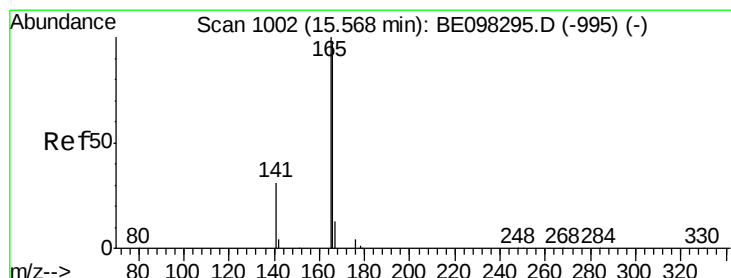
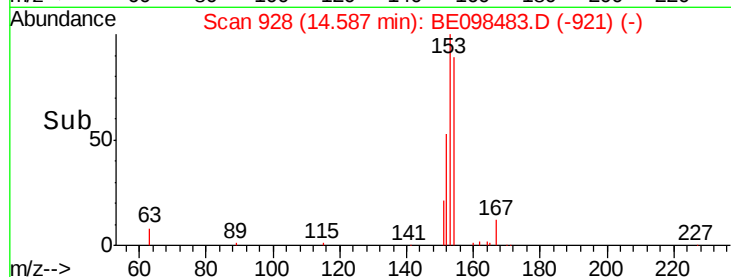
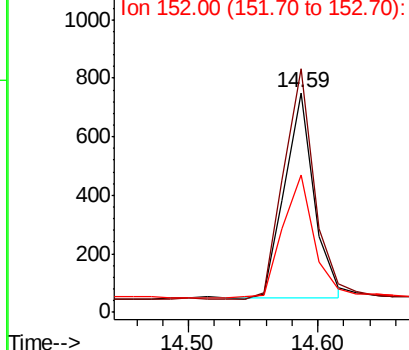
#17
Acenaphthene
Concen: 0.222 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098483.D
Acq: 15 Dec 2018 21:51

Instrument :
BNA_E
ClientSampleId :
PB115688BS

Tgt Ion:154 Resp: 1130
Ion Ratio Lower Upper
154 100
153 115.3 91.8 137.6
152 62.7 45.5 68.3

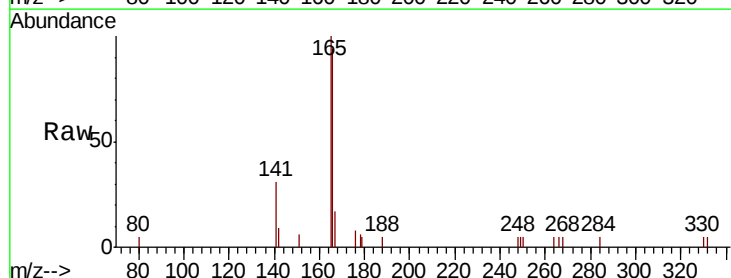


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

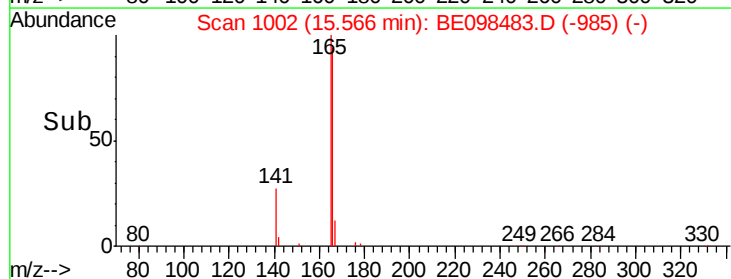
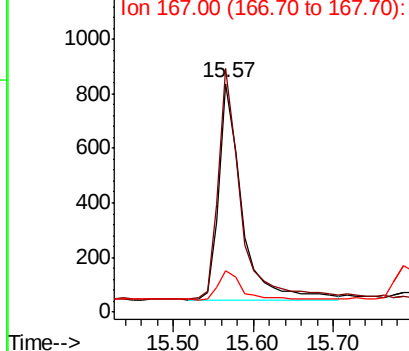


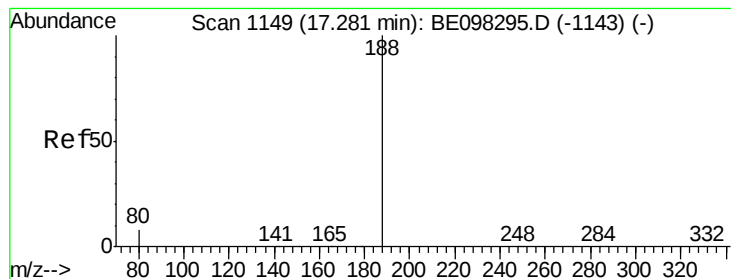
#18
Fluorene
Concen: 0.231 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098483.D
Acq: 15 Dec 2018 21:51

Tgt Ion:166 Resp: 1576
Ion Ratio Lower Upper
166 100
165 104.0 79.3 118.9
167 14.7 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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

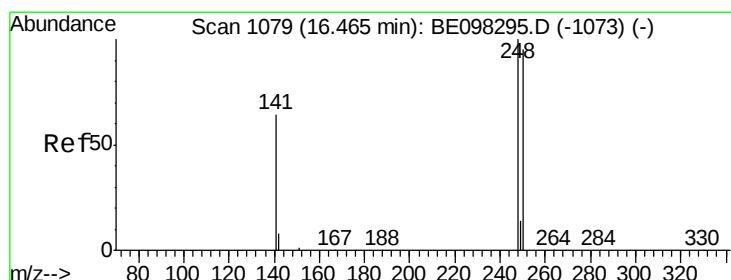
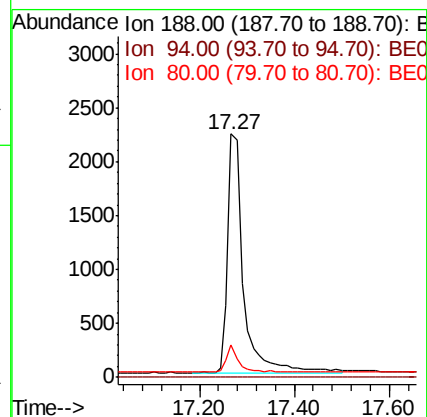
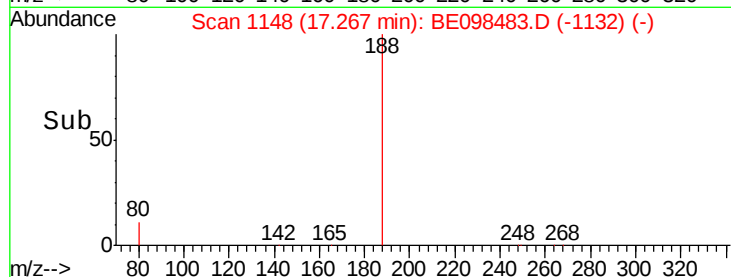
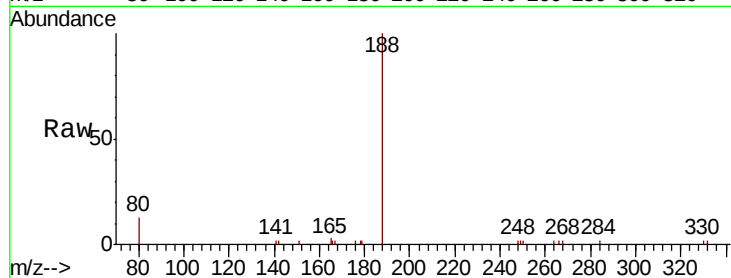
Tgt Ion:188 Resp: 5138

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 7.2 10.8#



#20

4-Bromophenyl-phenylether

Concen: 0.180 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

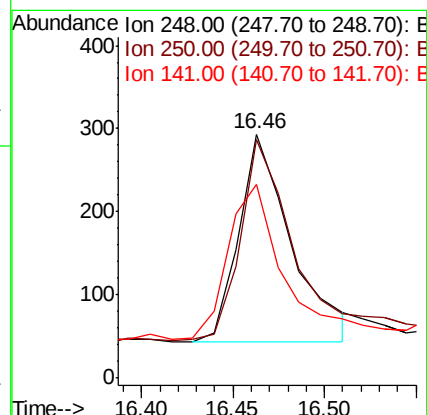
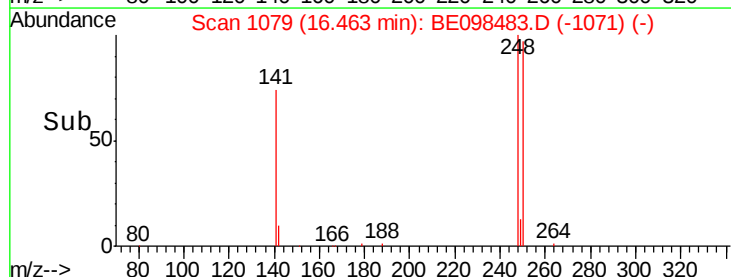
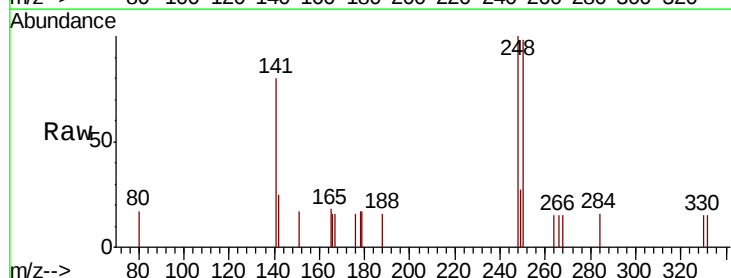
Tgt Ion:248 Resp: 499

Ion Ratio Lower Upper

248 100

250 98.0 71.0 106.6

141 79.5 62.1 93.1





#21

Hexachlorobenzene

Concen: 0.208 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

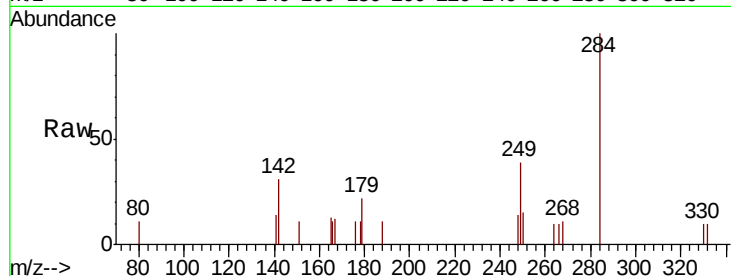
Tgt Ion:284 Resp: 617

Ion Ratio Lower Upper

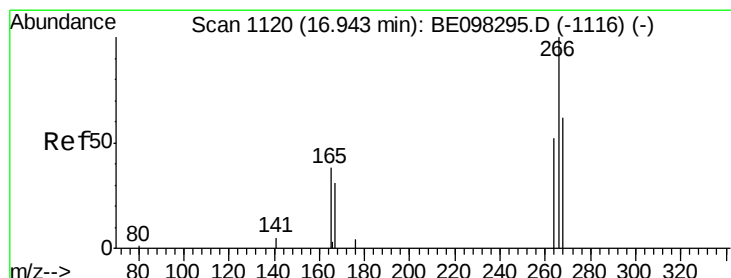
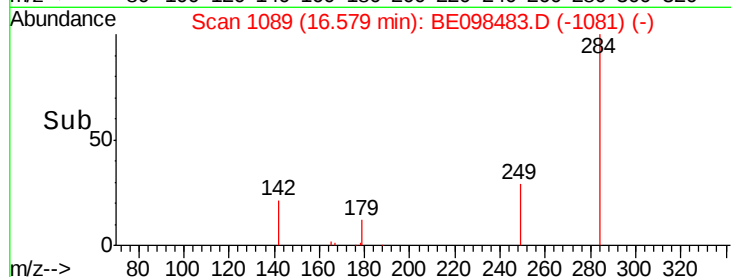
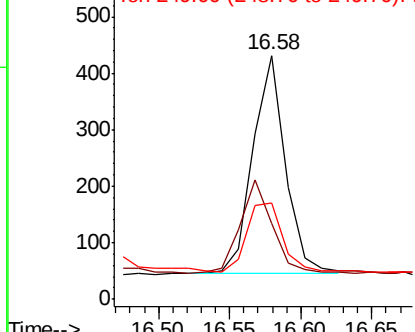
284 100

142 41.8 26.3 39.5#

249 33.4 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



#22

Pentachlorophenol

Concen: 0.144 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

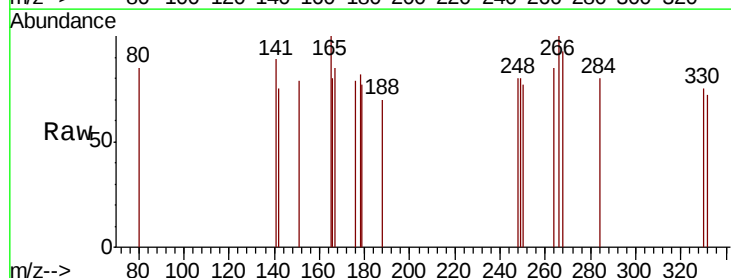
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

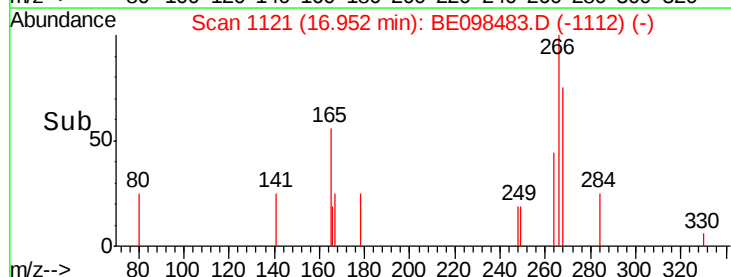
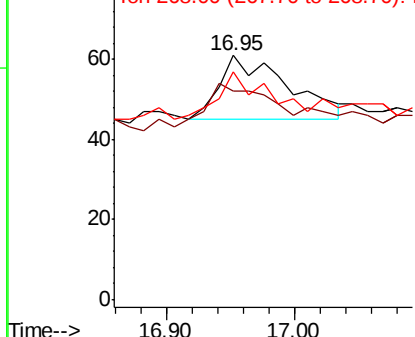
266 100

264 85.2 59.0 88.4

268 93.4 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





#23

Phenanthrene

Concen: 0.229 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

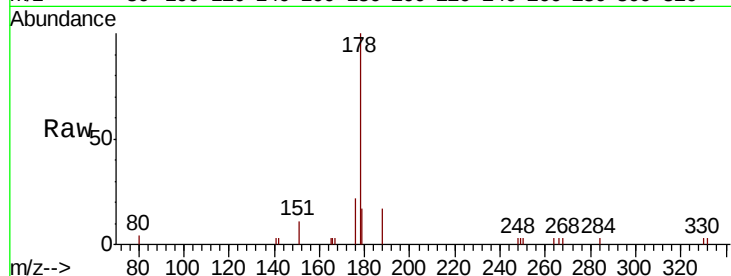
Tgt Ion:178 Resp: 2857

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

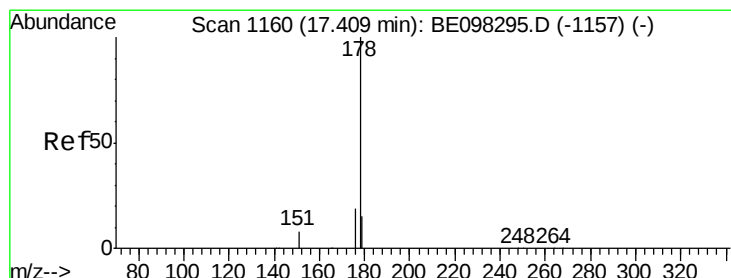
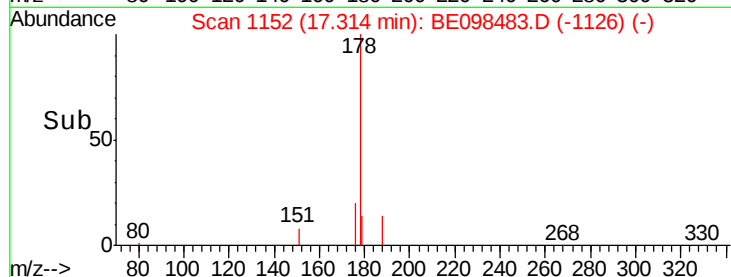
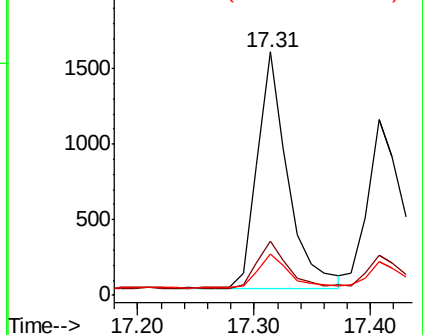
179 15.1 12.3 18.5



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



#24

Anthracene

Concen: 0.193 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

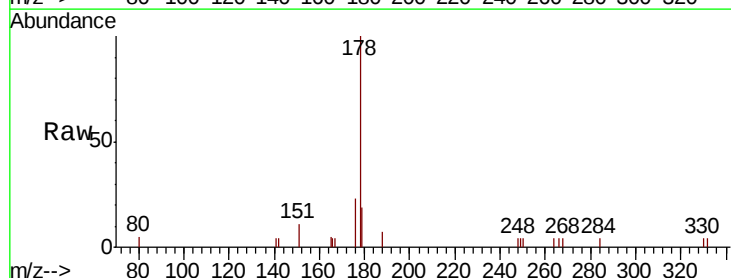
Tgt Ion:178 Resp: 2152

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.4

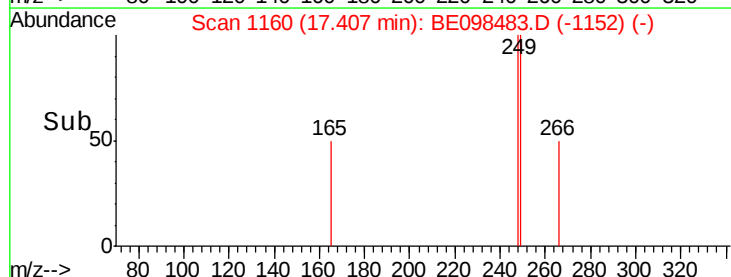
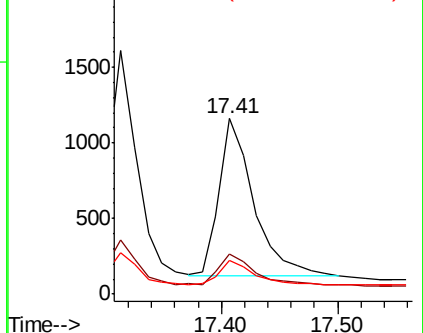
179 16.1 12.3 18.5



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: 0.251 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

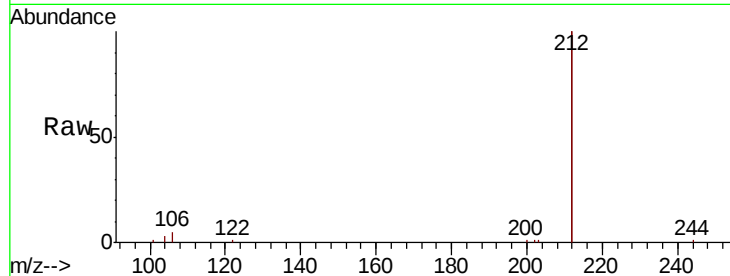
Tgt Ion:212 Resp: 16576

Ion Ratio Lower Upper

212 100

106 2.4 2.2 3.2

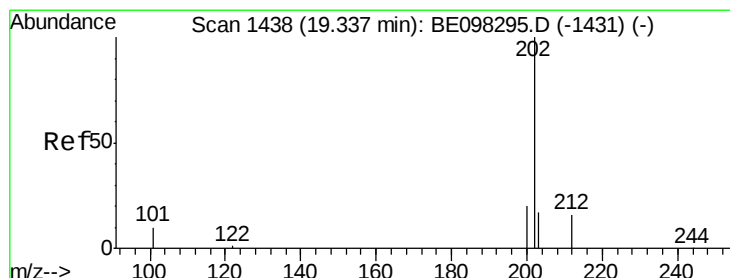
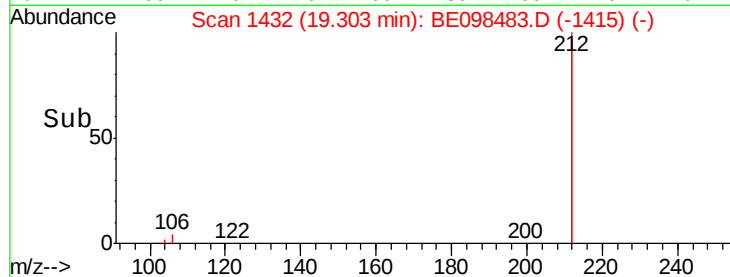
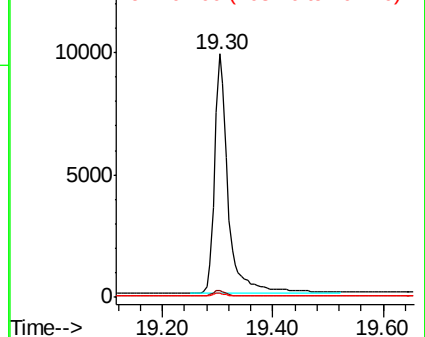
104 1.2 1.3 1.9#



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: 0.249 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

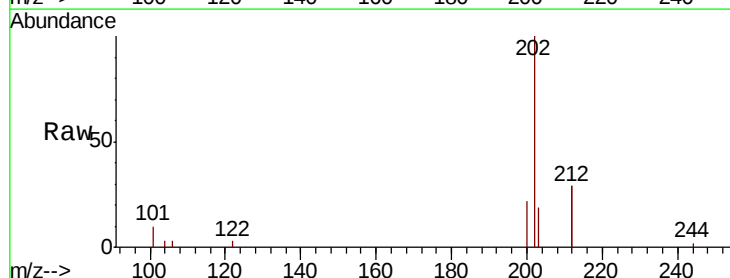
Tgt Ion:202 Resp: 4113

Ion Ratio Lower Upper

202 100

101 8.5 8.0 12.0

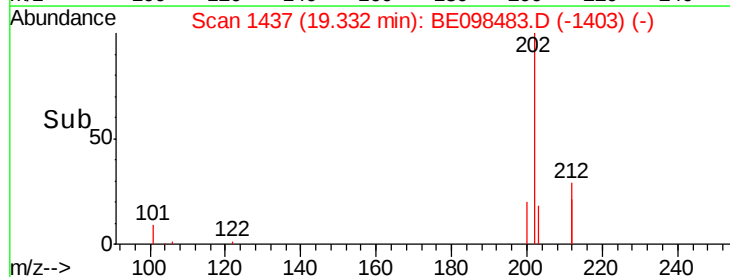
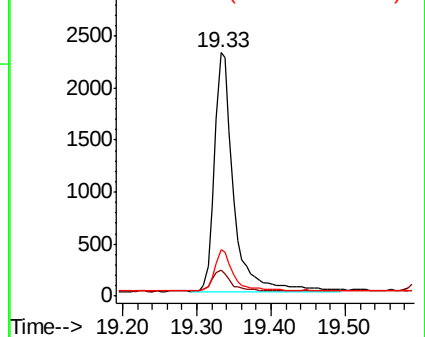
203 17.0 13.8 20.6



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: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

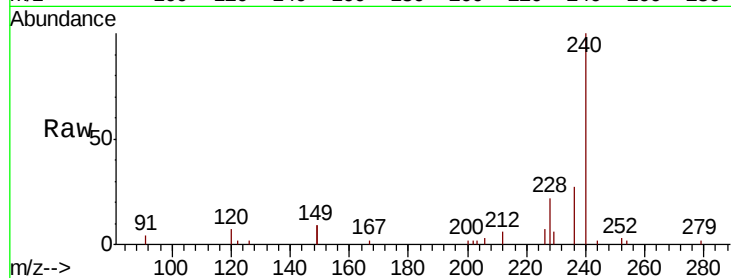
Tgt Ion:240 Resp: 6585

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

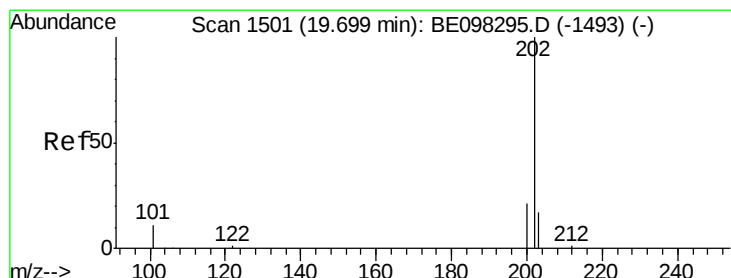
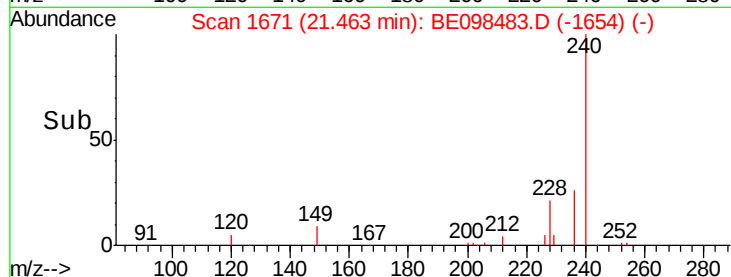
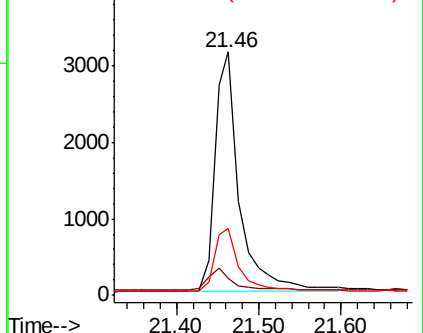
236 27.4 22.7 34.1



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: 0.199 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

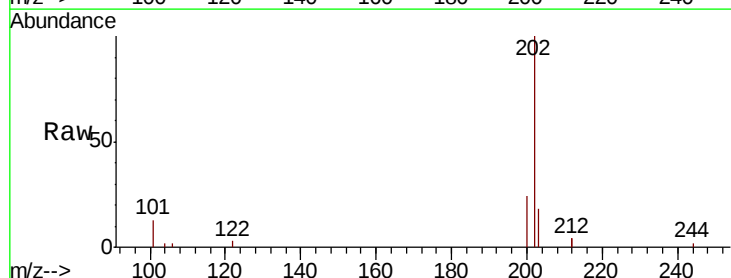
Tgt Ion:202 Resp: 4117

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

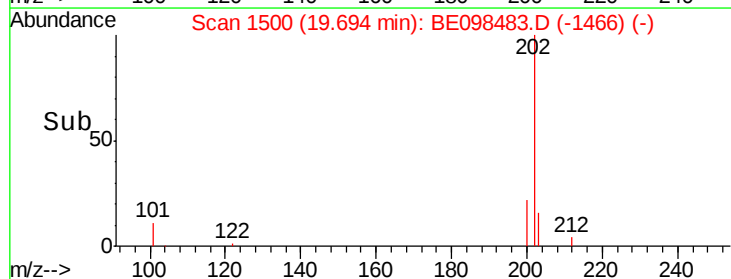
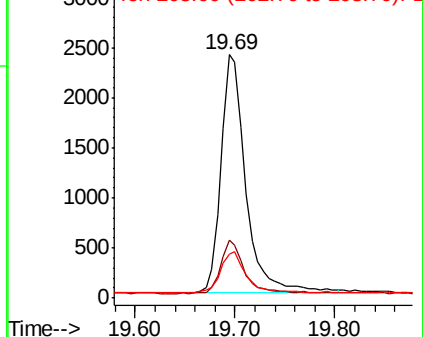
203 18.0 14.1 21.1



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: 0.181 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

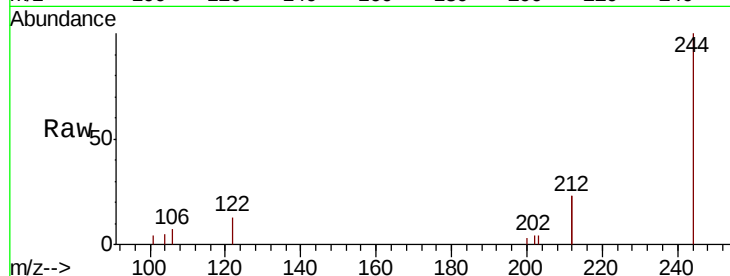
Tgt Ion:244 Resp: 2895

Ion Ratio Lower Upper

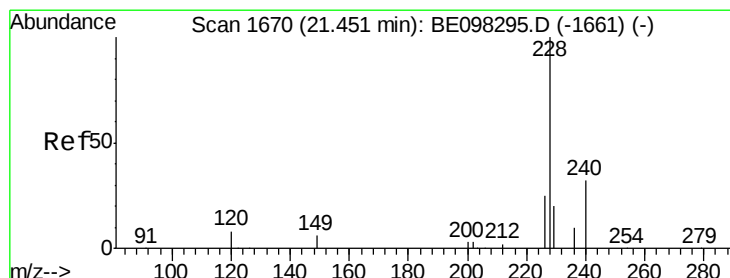
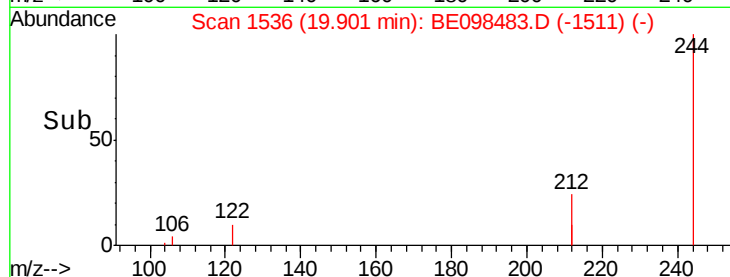
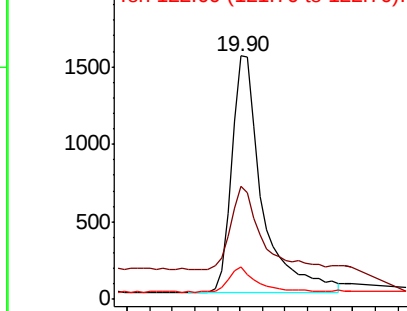
244 100

212 46.2 27.4 41.0#

122 13.2 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: 0.218 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

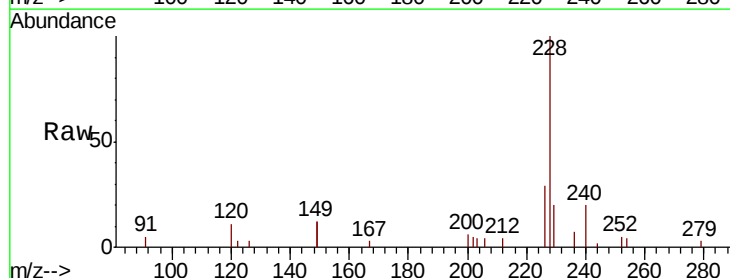
Tgt Ion:228 Resp: 4094

Ion Ratio Lower Upper

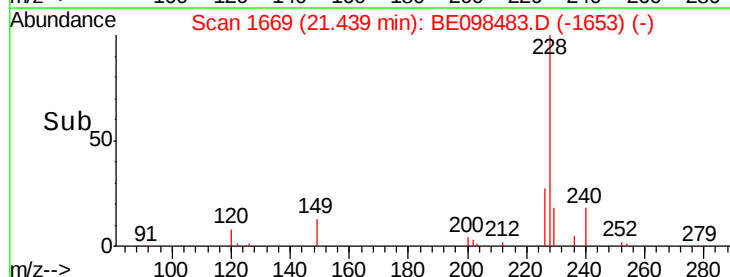
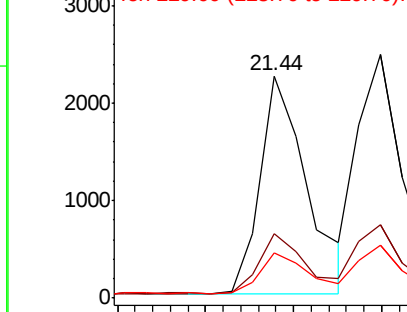
228 100

226 28.9 21.8 32.8

229 20.3 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: 0.224 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

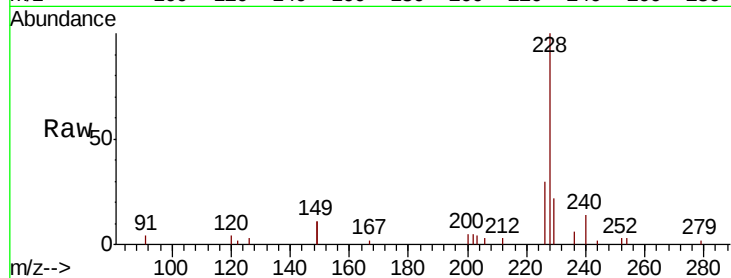
Tgt Ion:228 Resp: 4399

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

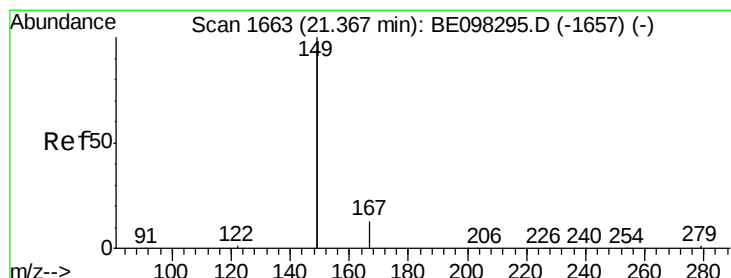
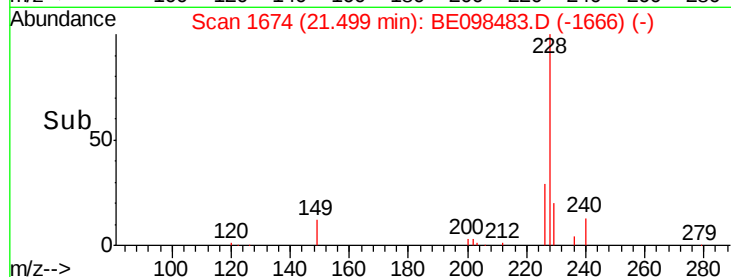
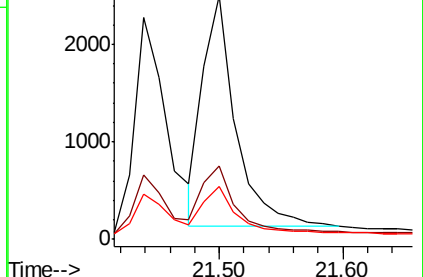
229 21.5 16.2 24.4



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: 0.151 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

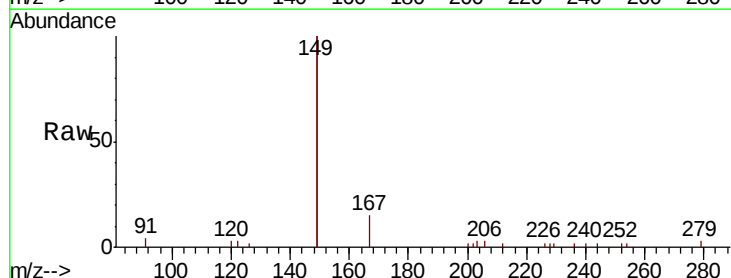
Tgt Ion:149 Resp: 5758

Ion Ratio Lower Upper

149 100

167 7.0 5.7 8.5

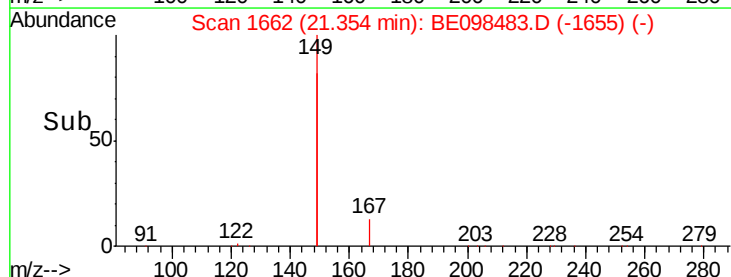
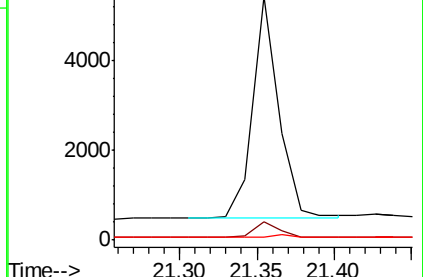
279 1.4 1.0 1.4



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: 0.223 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

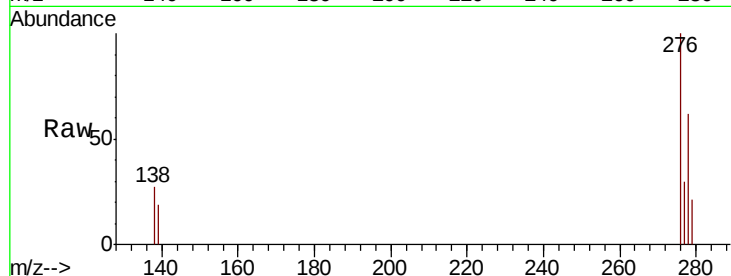
Tgt Ion:276 Resp: 4358

Ion Ratio Lower Upper

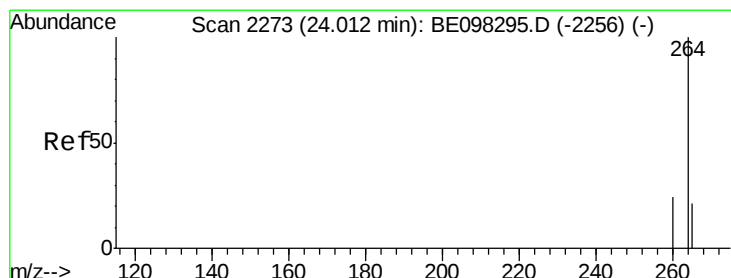
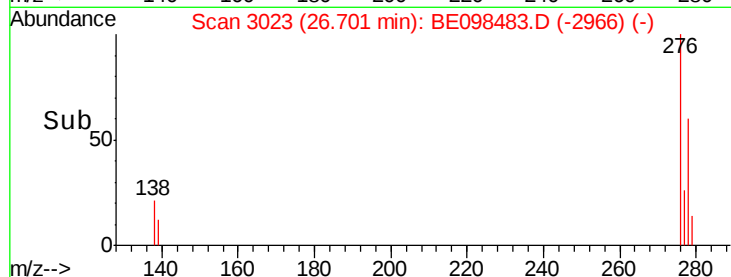
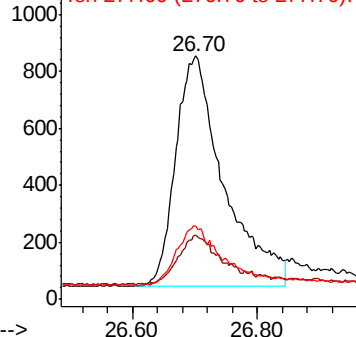
276 100

138 18.3 16.3 24.5

277 24.1 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: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

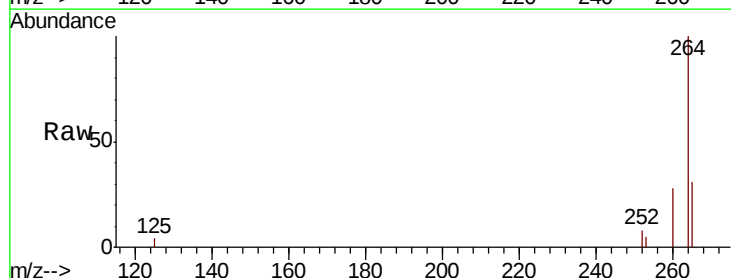
Tgt Ion:264 Resp: 6096

Ion Ratio Lower Upper

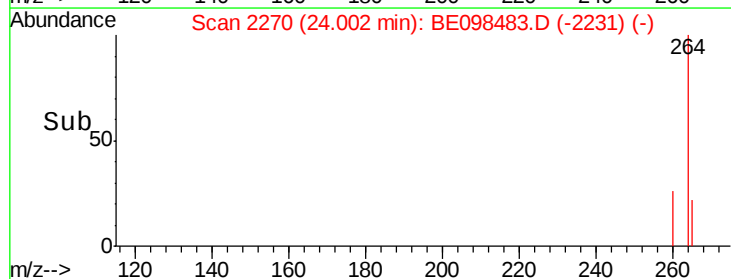
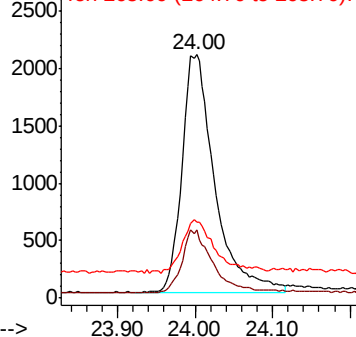
264 100

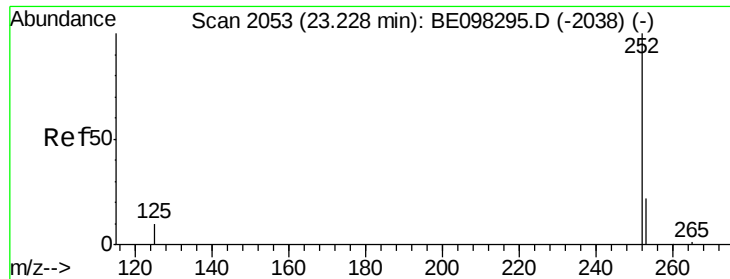
260 27.8 20.2 30.2

265 31.1 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: 0.288 ng

RT: 23.27 min Scan# 2065

Delta R.T. 0.04 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

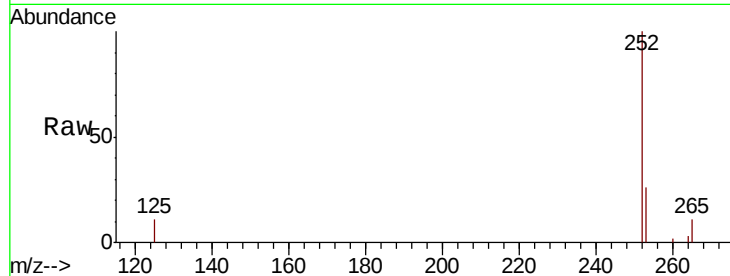
Tgt Ion:252 Resp: 4809

Ion Ratio Lower Upper

252 100

253 26.0 20.0 30.0

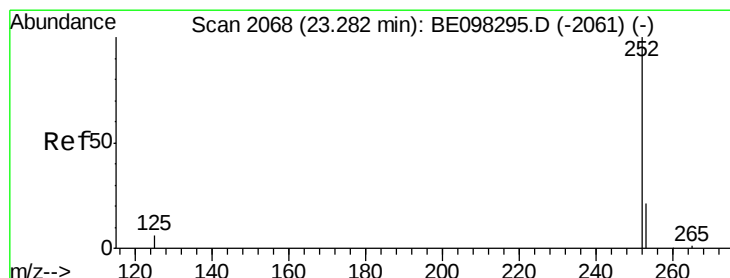
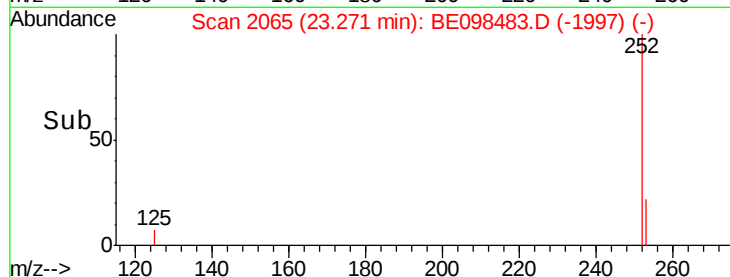
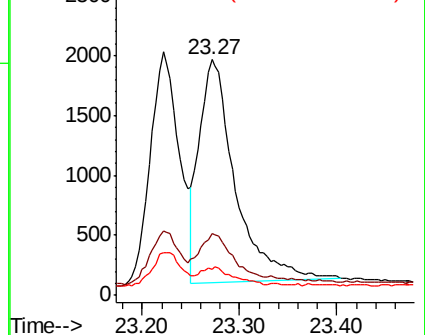
125 11.2 9.6 14.4



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: 0.252 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

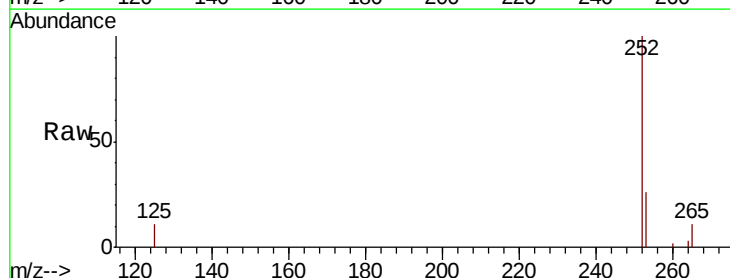
Tgt Ion:252 Resp: 4895

Ion Ratio Lower Upper

252 100

253 26.0 19.0 28.6

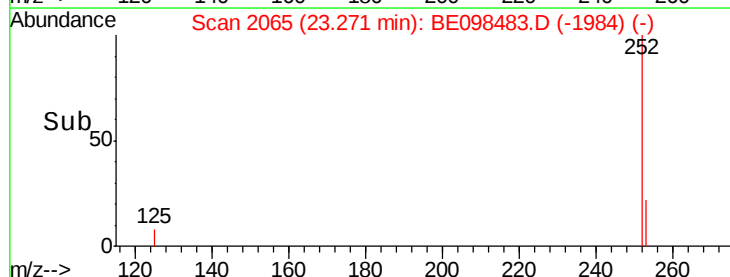
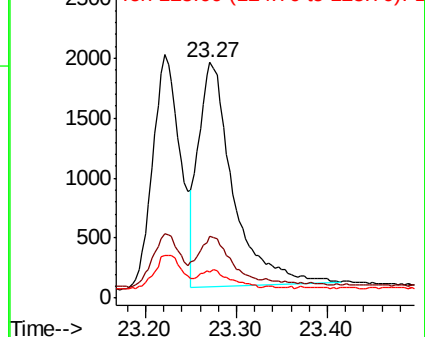
125 11.2 9.1 13.7



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: 0.251 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS

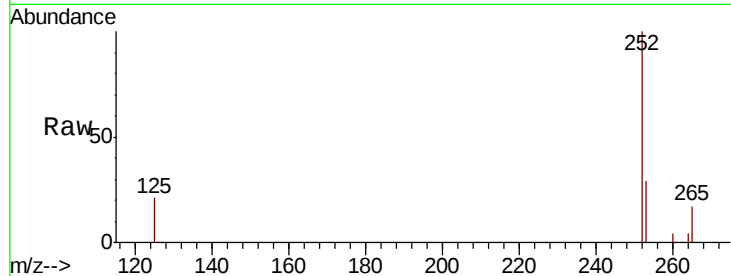
Tgt Ion: 252 Resp: 4310

Ion Ratio Lower Upper

252 100

253 29.5 20.6 30.8

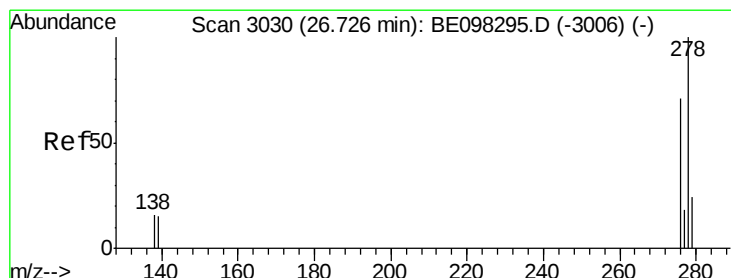
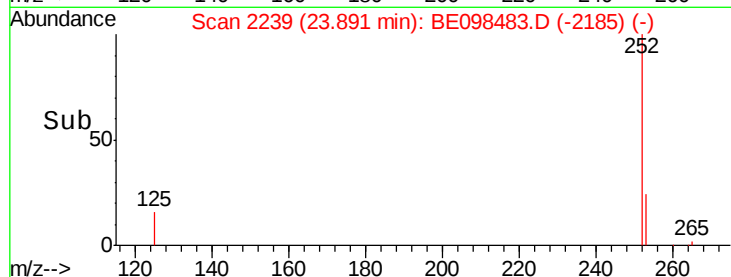
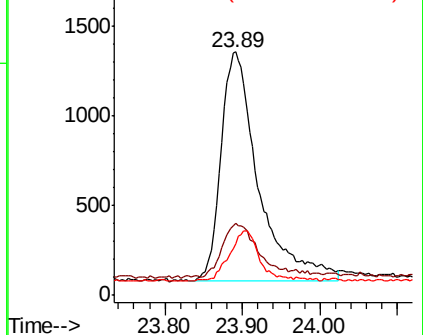
125 20.9 10.5 15.7#



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: 0.195 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098483.D

Acq: 15 Dec 2018 21:51

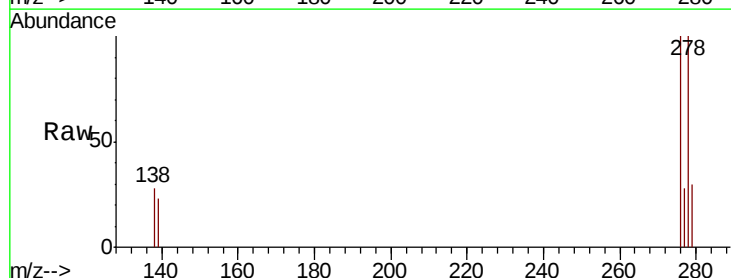
Tgt Ion: 278 Resp: 3162

Ion Ratio Lower Upper

278 100

139 23.5 14.5 21.7#

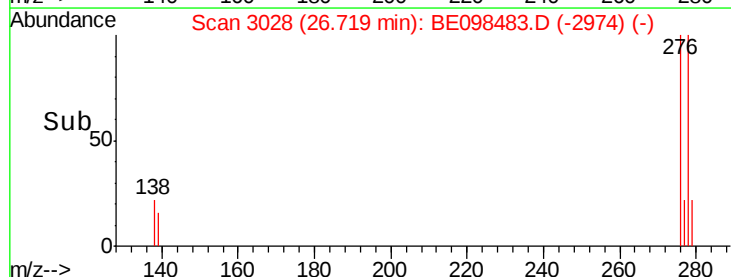
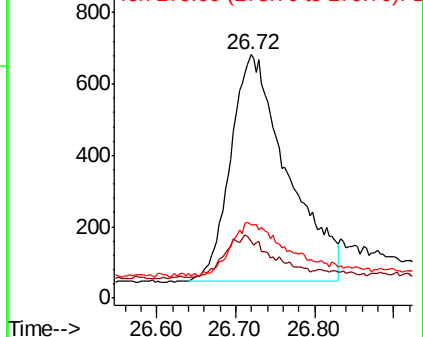
279 30.4 21.8 32.8



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: 0.220 ng

RT: 27.51 min Scan# 3250

Delta R.T. -0.01 min

Lab File: BE098483.D

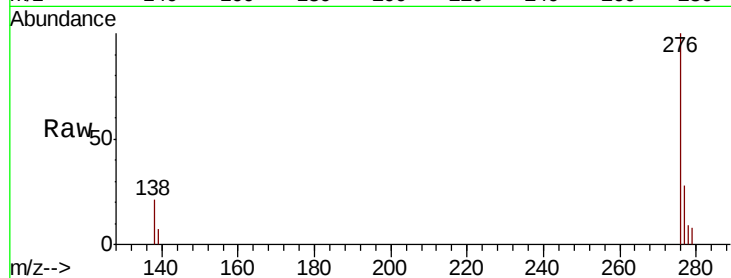
Acq: 15 Dec 2018 21:51

Instrument :

BNA_E

ClientSampleId :

PB115688BS



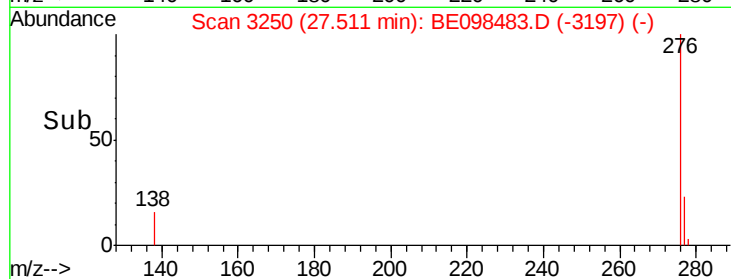
Tgt Ion: 276 Resp: 3598

Ion Ratio Lower Upper

276 100

277 27.8 20.8 31.2

138 20.9 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

