

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098330.D
 Acq On : 11 Dec 2018 13:16
 Operator : SJ/JU
 Sample : PB115391BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115391BS

Quant Time: Dec 11 15:16:18 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	1351	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5361	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3051	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7845	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10481	0.40	ng	0.00
34) Perylene-d12	24.01	264	10162	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	804	0.25	ng	0.00
5) Phenol-d6	7.05	99	900	0.20	ng	0.00
8) Nitrobenzene-d5	9.03	82	1187	0.24	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2218	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	189	0.17	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	3034	0.24	ng	0.00
25) Fluoranthene-d10	19.31	212	24357	0.24	ng	0.00
29) Terphenyl-d14	19.91	244	4638	0.18	ng	0.00

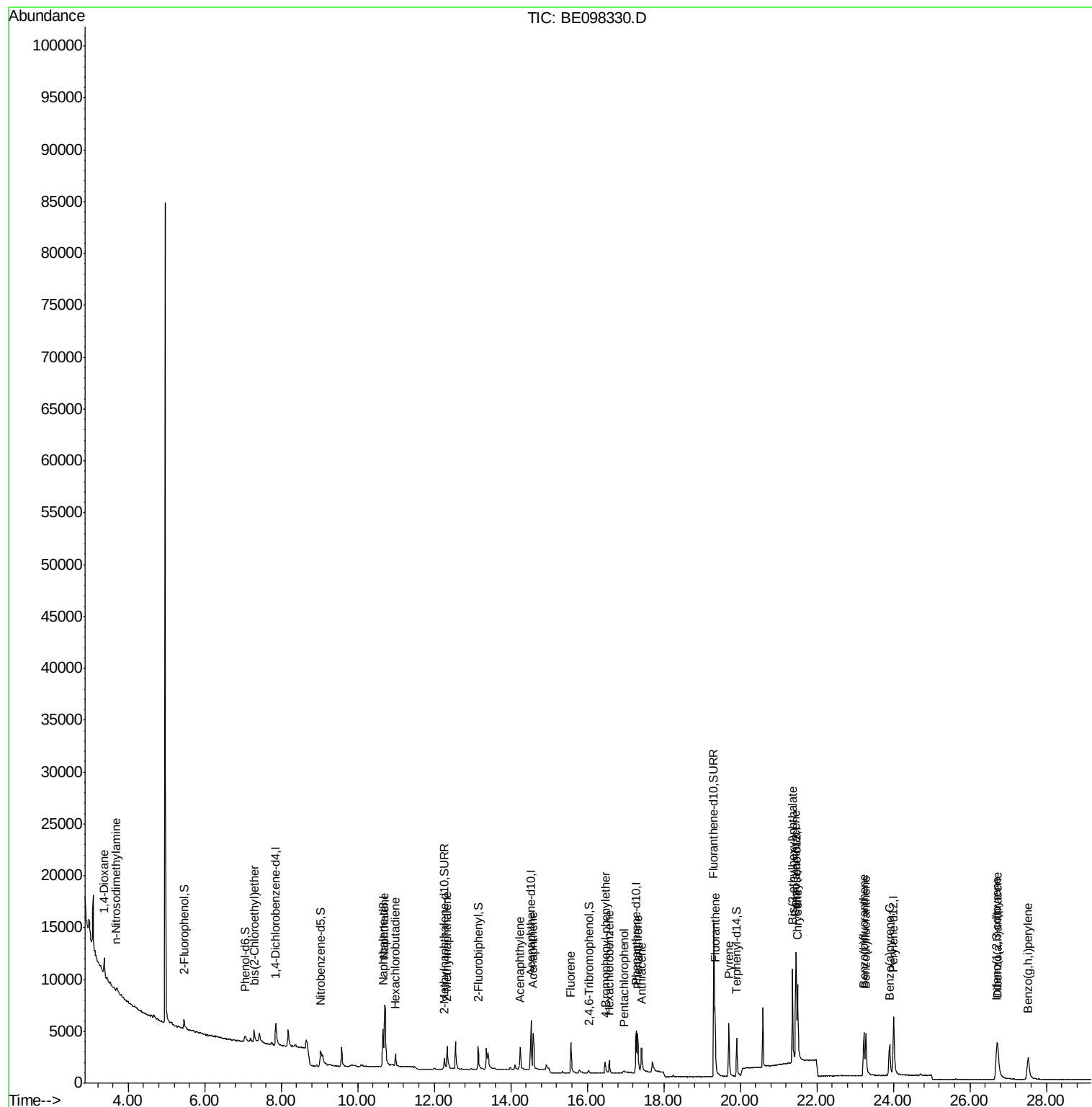
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	872	0.373	ng	# 62
3) n-Nitrosodimethylamine	3.69	42	498	0.237	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	802	0.188	ng	92
9) Naphthalene	10.71	128	13226	0.245	ng	# 98
10) Hexachlorobutadiene	10.99	225	790	0.230	ng	98
12) 2-Methylnaphthalene	12.34	142	1980	0.226	ng	98
16) Acenaphthylene	14.24	152	3326	0.233	ng	99
17) Acenaphthene	14.59	154	1884	0.219	ng	97
18) Fluorene	15.57	166	2577	0.224	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	829	0.196	ng	# 81
21) Hexachlorobenzene	16.58	284	966	0.213	ng	95
22) Pentachlorophenol	16.95	266	227	0.322	ng	# 88
23) Phenanthrene	17.32	178	4386	0.230	ng	98
24) Anthracene	17.42	178	3581	0.211	ng	98
26) Fluoranthene	19.34	202	5973	0.237	ng	98
28) Pyrene	19.70	202	5951	0.181	ng	99
30) Benzo(a)anthracene	21.45	228	6504	0.218	ng	99
31) Chrysene	21.50	228	7306	0.234	ng	97
32) Bis(2-ethylhexyl)phthalate	21.37	149	10502	0.173	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	7449	0.239	ng	98
35) Benzo(b)fluoranthene	23.23	252	6642	0.239	ng	99
36) Benzo(k)fluoranthene	23.28	252	7643	0.236	ng	98
37) Benzo(a)pyrene	23.89	252	6773	0.236	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	6159	0.228	ng	98
39) Benzo(g,h,i)perylene	27.53	276	6472	0.238	ng	97

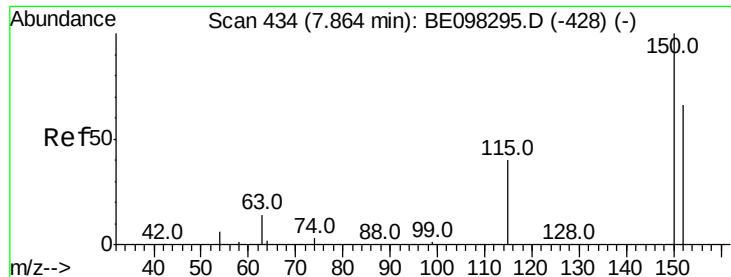
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

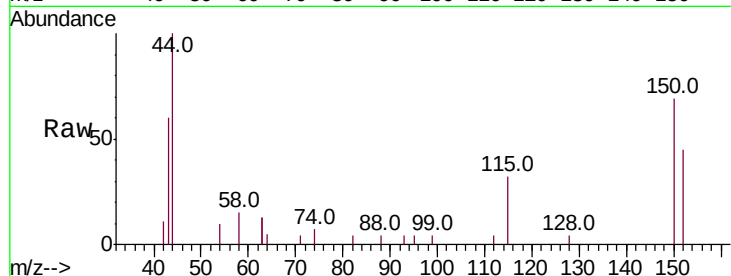
Tot Ion:152 Resp: 1351

Ion Ratio Lower Upper

152 100

150 152.9 124.2 186.4

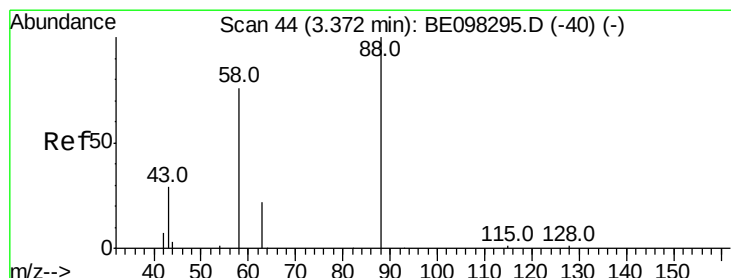
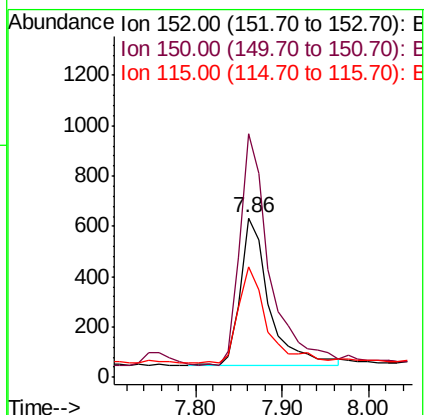
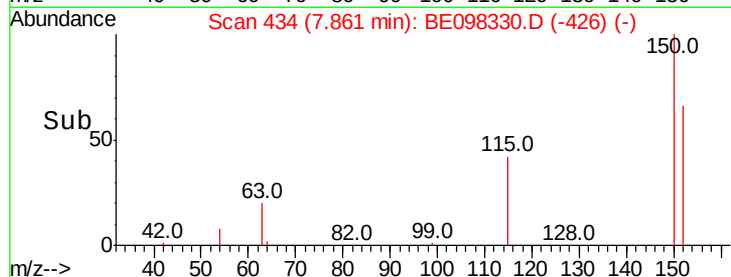
115 69.7 53.9 80.9



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: 0.373 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

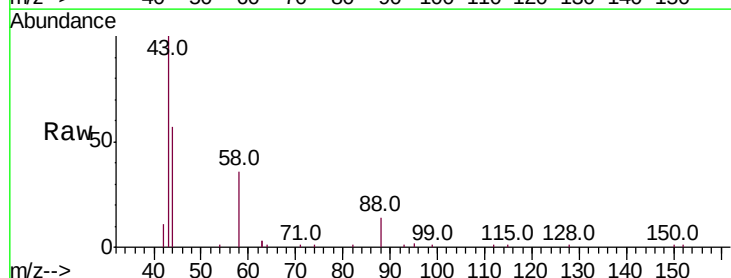
Tgt Ion: 88 Resp: 872

Ion Ratio Lower Upper

88 100

58 113.5 75.0 112.6#

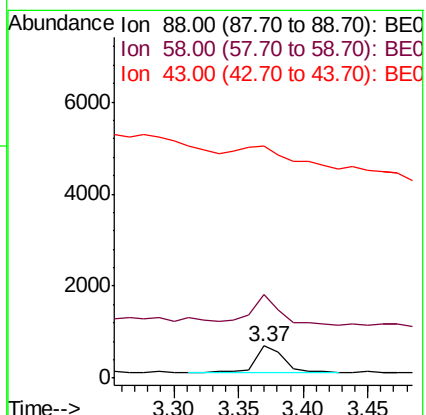
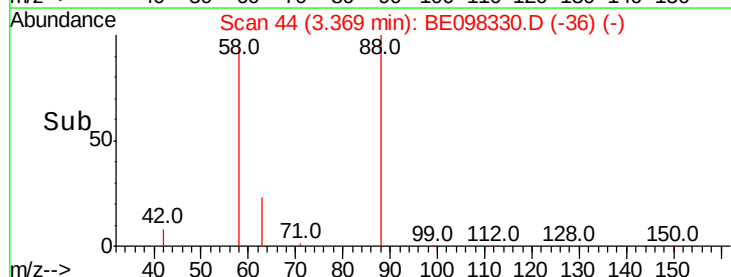
43 0.0 38.3 57.5#

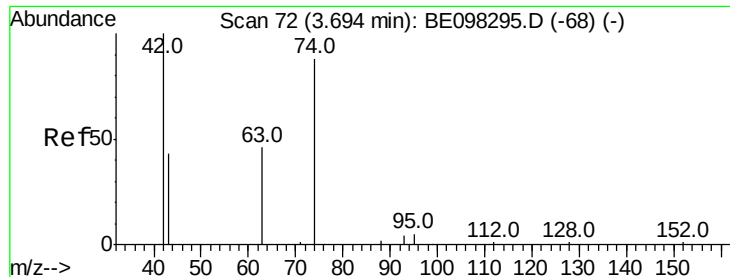


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.237 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

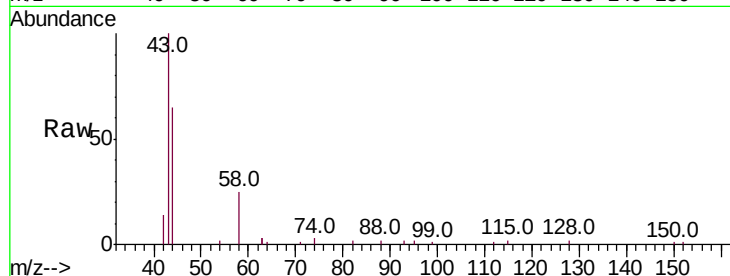
Tot Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

74 72.1 0.0 0.0#

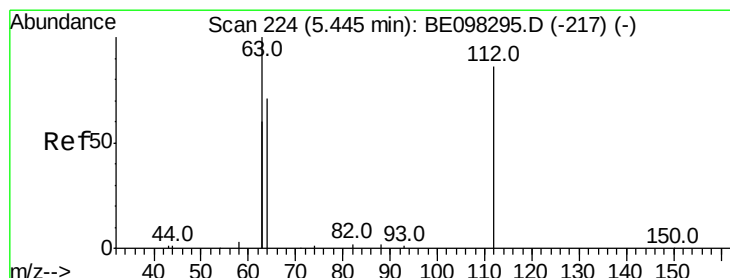
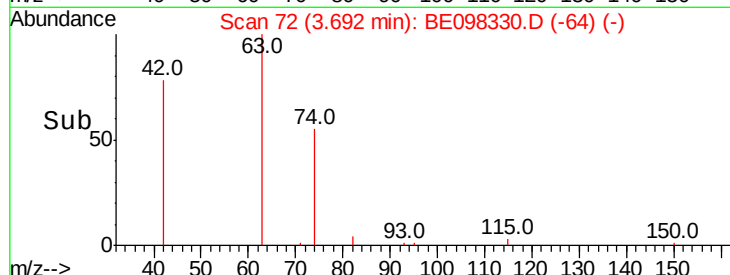
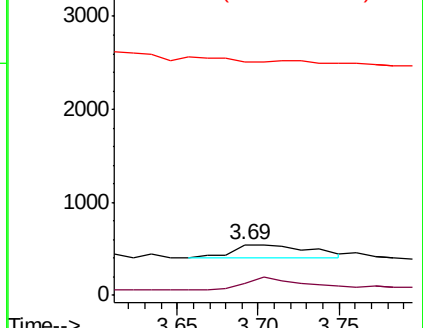
44 0.0 0.0 0.0



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: 0.254 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

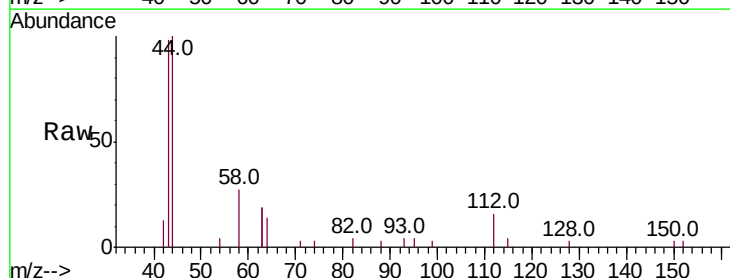
Tgt Ion: 112 Resp: 804

Ion Ratio Lower Upper

112 100

64 77.0 59.8 89.8

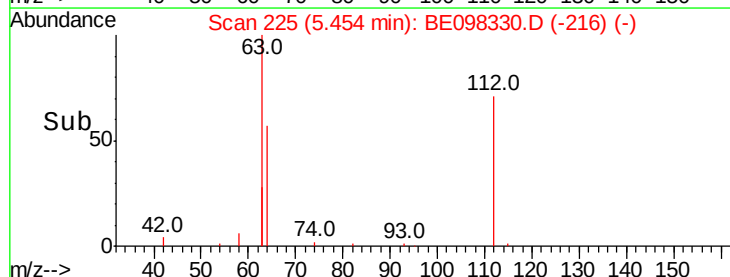
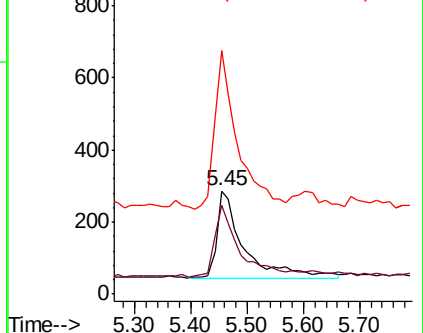
63 154.9 133.7 200.5

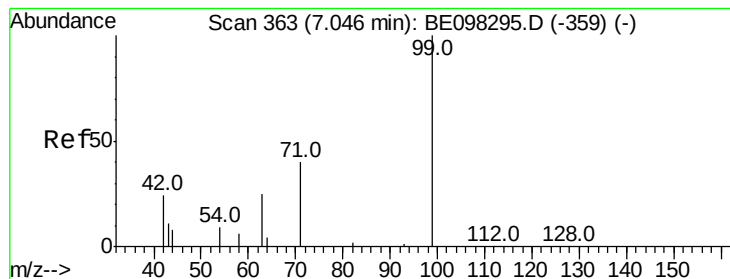


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.201 ng

RT: 7.05 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

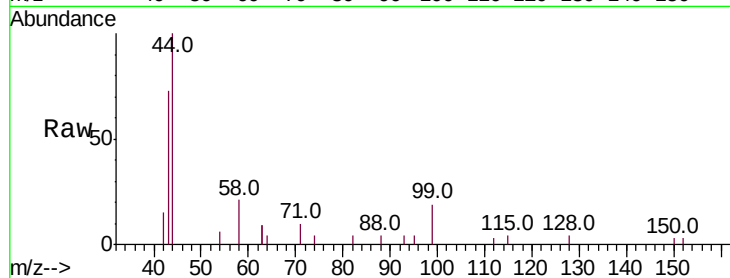
Tot Ion: 99 Resp: 900

Ion Ratio Lower Upper

99 100

42 27.8 26.3 39.5

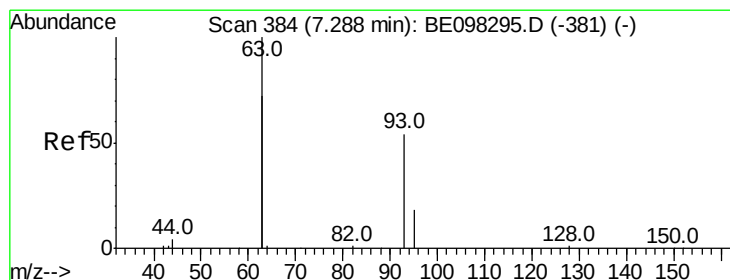
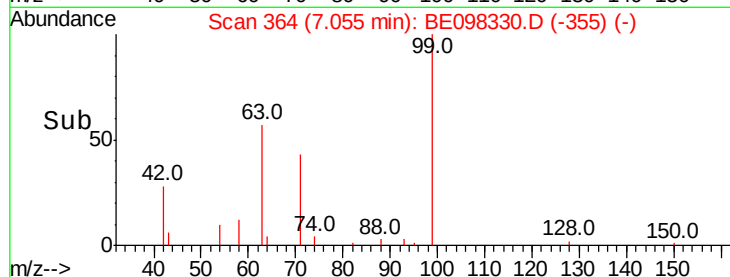
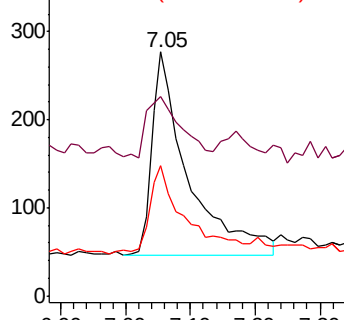
71 43.6 33.6 50.4



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: 0.188 ng

RT: 7.28 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

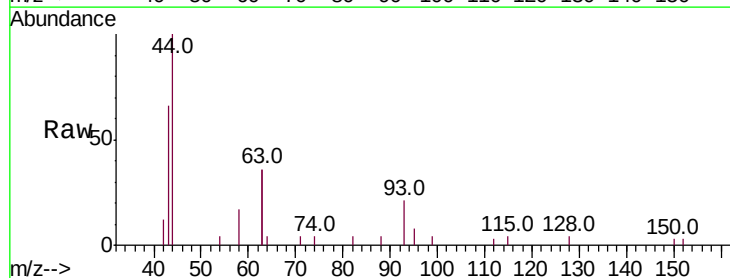
Tgt Ion: 93 Resp: 802

Ion Ratio Lower Upper

93 100

63 313.1 264.4 396.6

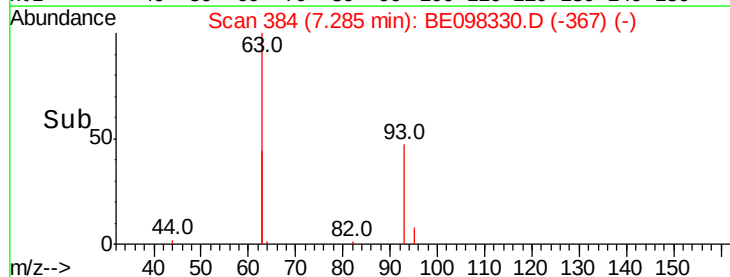
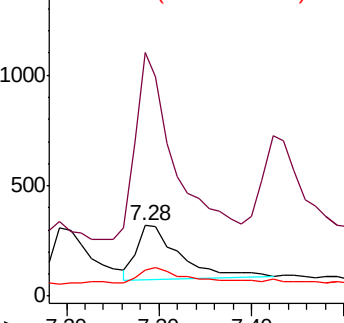
95 30.5 26.6 40.0

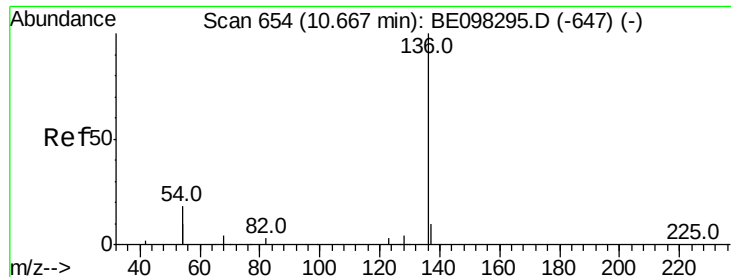


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

Tot Ion:136 Resp: 5361

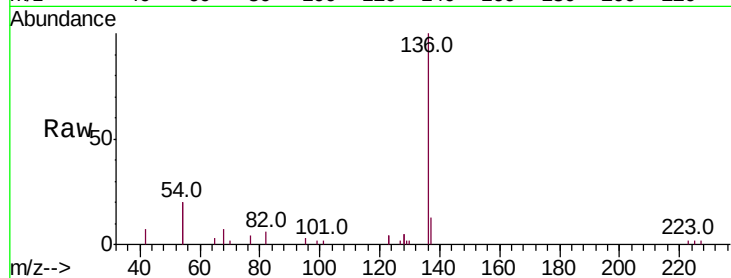
Ion Ratio Lower Upper

136 100

137 12.7 9.2 13.8

54 39.9 28.4 42.6

68 7.2 5.4 8.0

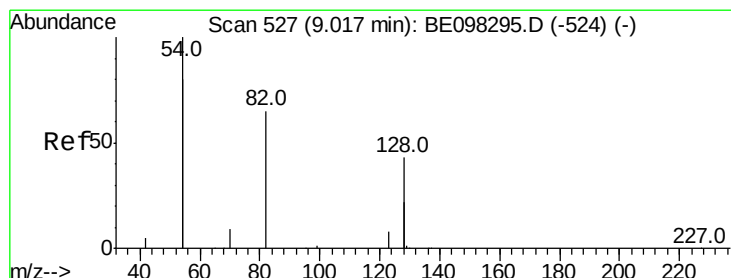
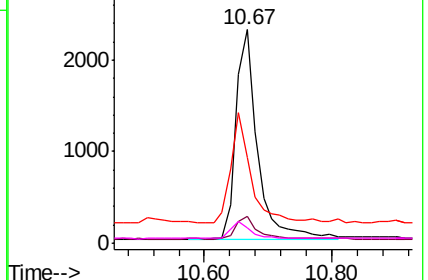
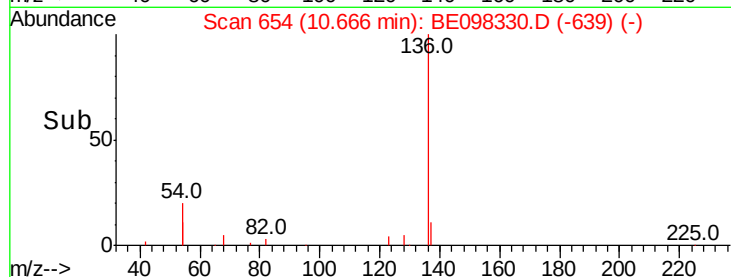


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.243 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

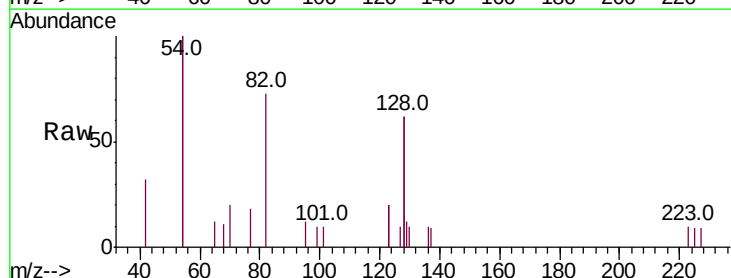
Tgt Ion: 82 Resp: 1187

Ion Ratio Lower Upper

82 100

128 170.9 102.4 153.6#

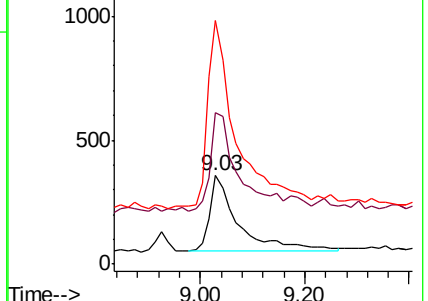
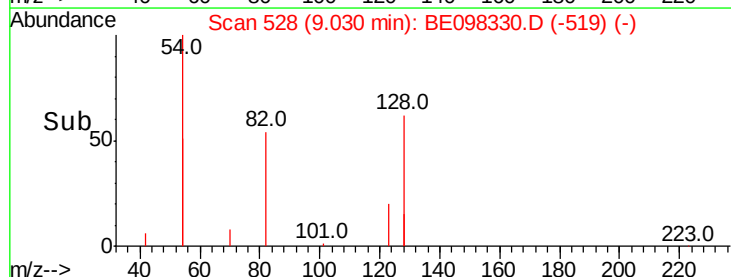
54 274.3 221.8 332.8

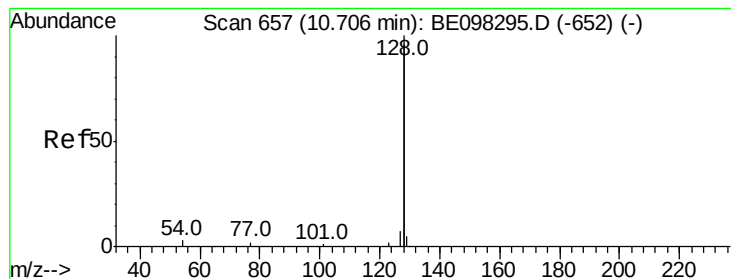


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.245 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

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PB115391BS

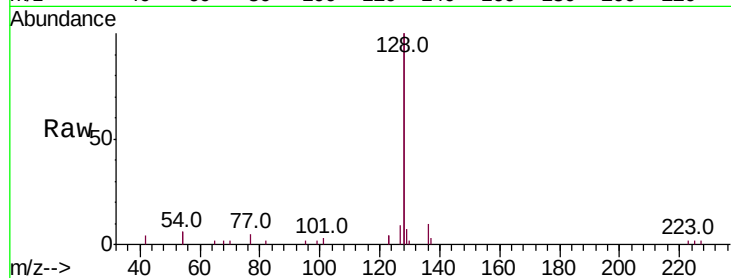
Tot Ion:128 Resp: 13226

Ion Ratio Lower Upper

128 100

129 3.5 2.5 3.7

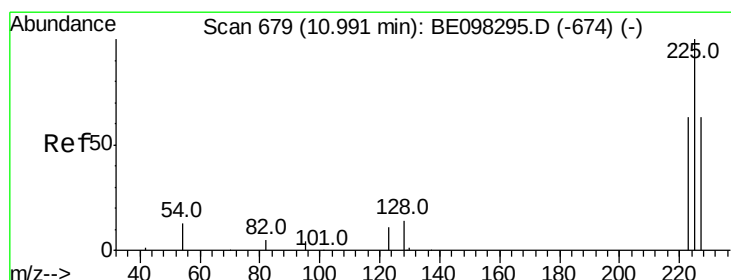
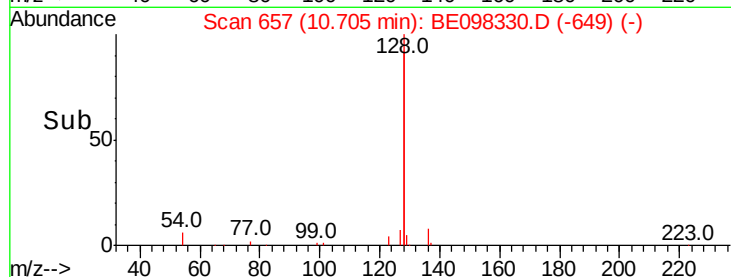
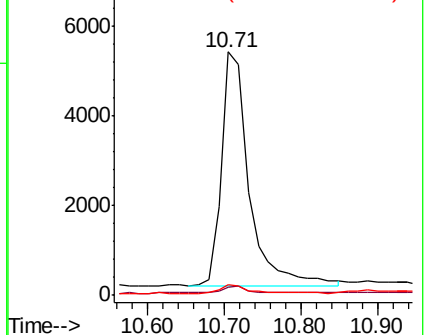
127 4.3 2.7 4.1#



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: 0.230 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

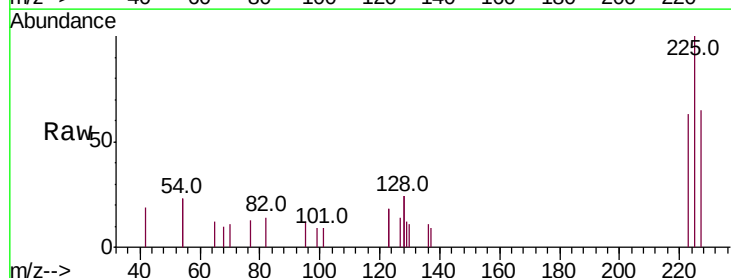
Tgt Ion:225 Resp: 790

Ion Ratio Lower Upper

225 100

223 62.8 49.4 74.0

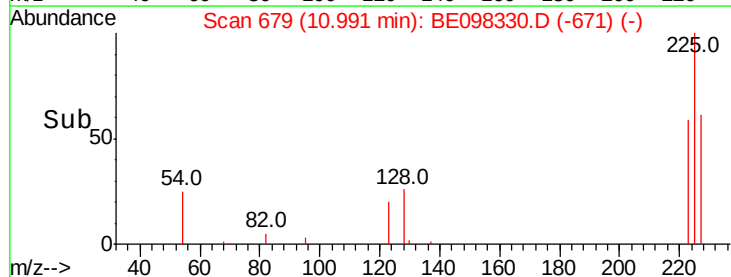
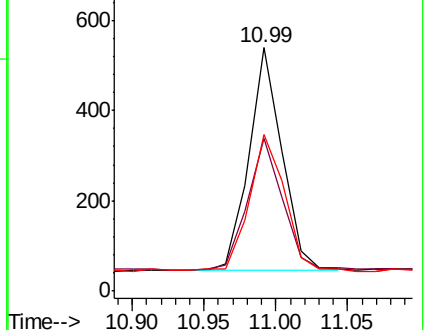
227 63.7 52.0 78.0

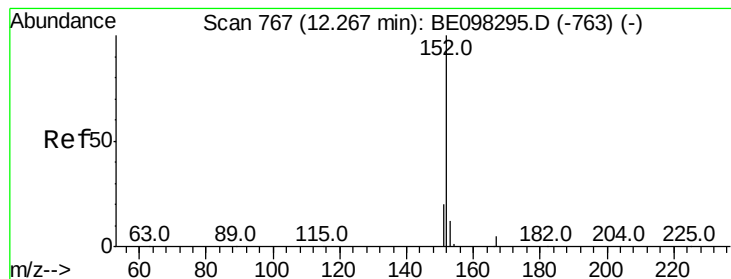


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.254 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

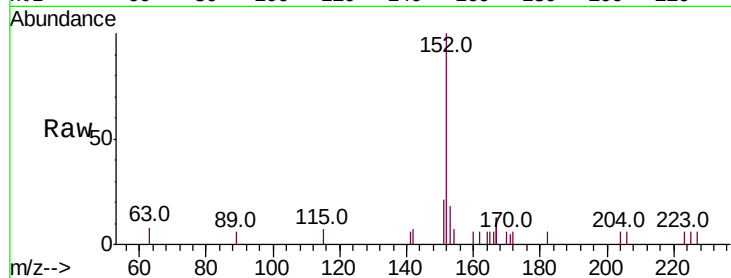
PB115391BS

Tot Ion:152 Resp: 2218

Ion Ratio Lower Upper

152 100

151 17.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

800

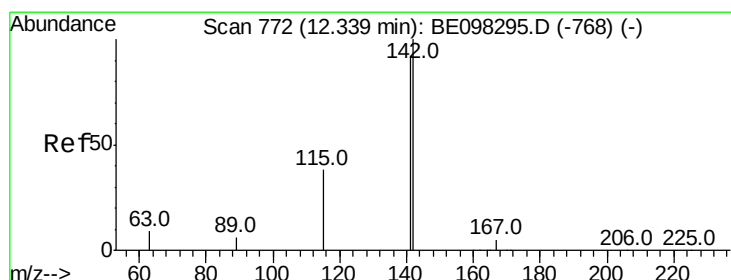
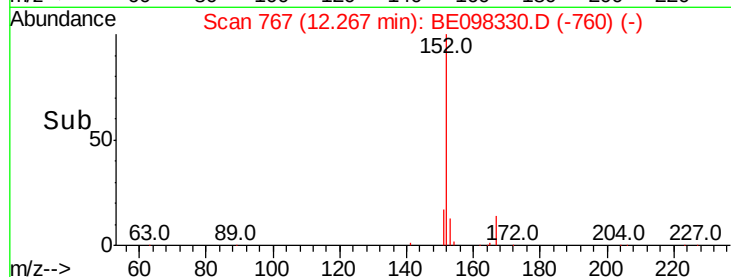
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.226 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

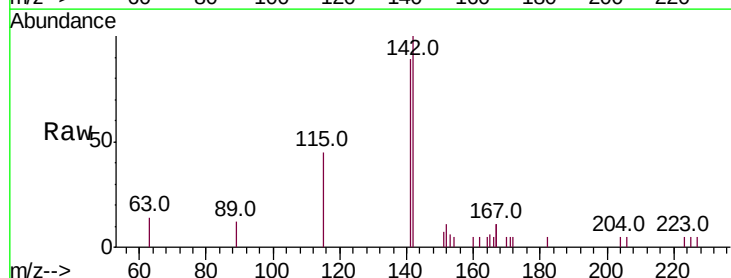
Tgt Ion:142 Resp: 1980

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.6

115 44.7 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

12.34

1200

1000

800

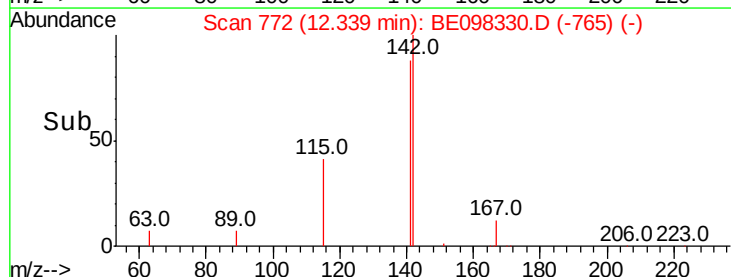
600

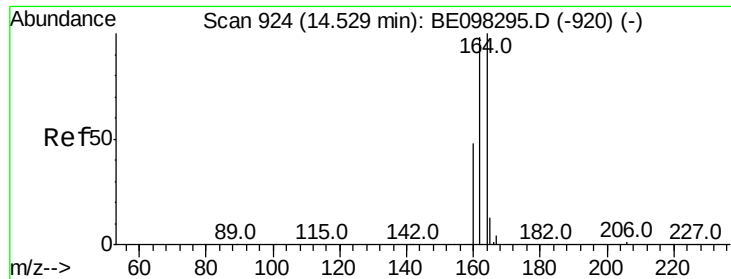
400

200

0

Time-->

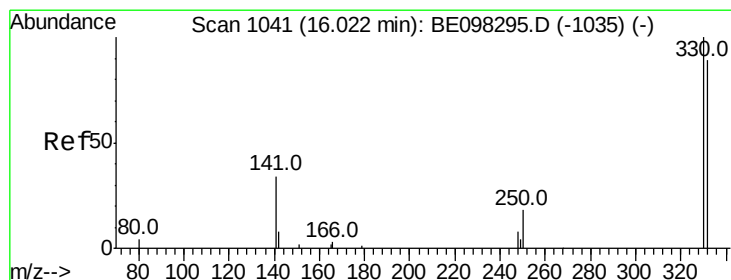
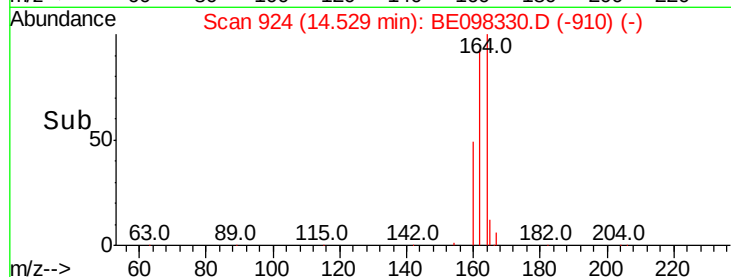
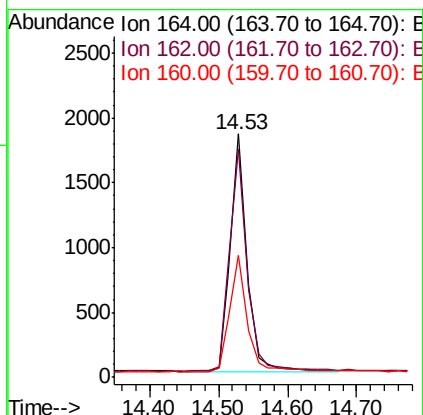
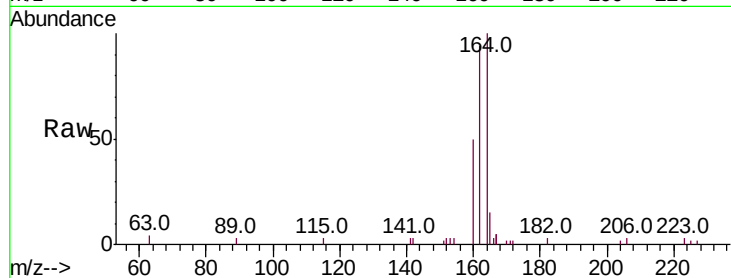




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098330.D
 Acq: 11 Dec 2018 13:16

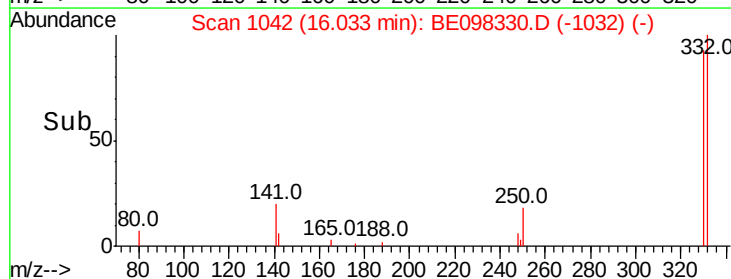
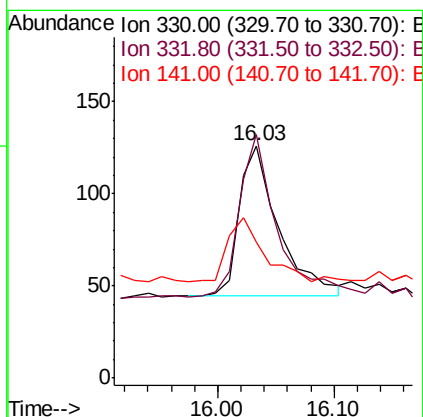
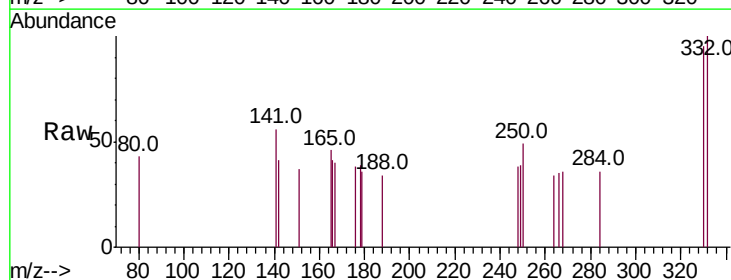
Instrument :
 BNA_E
 ClientSampleId :
 PB115391BS

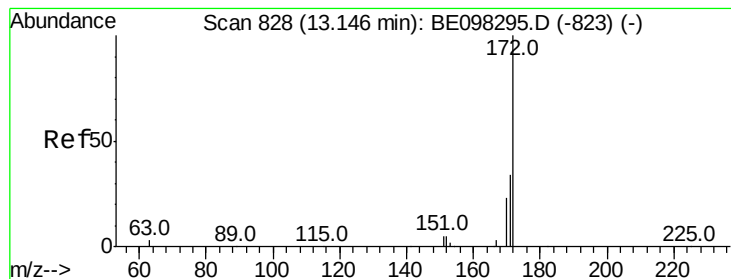
Tot Ion:164 Resp: 3051
 Ion Ratio Lower Upper
 164 100
 162 93.6 77.6 116.4
 160 50.3 36.0 54.0



#14
 2,4,6-Tribromophenol
 Concen: 0.169 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098330.D
 Acq: 11 Dec 2018 13:16

Tgt Ion:330 Resp: 189
 Ion Ratio Lower Upper
 330 100
 332 108.5 76.2 114.4
 141 44.4 39.0 58.4

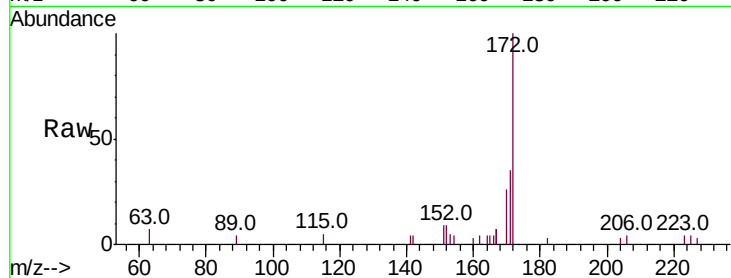




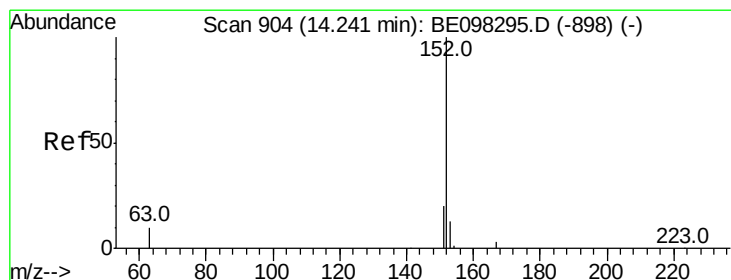
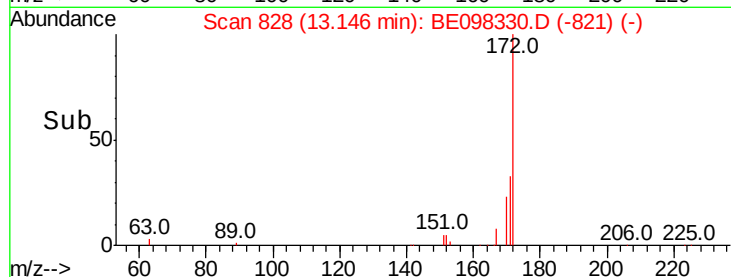
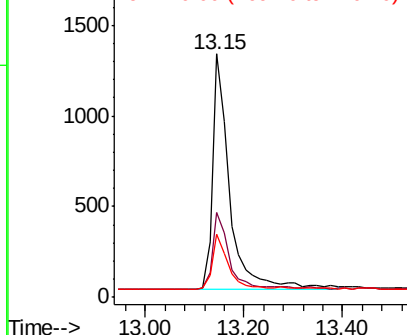
#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098330.D
Acq: 11 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :
PB115391BS

Tot Ion:172 Resp: 3034
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 26.2 19.6 29.4

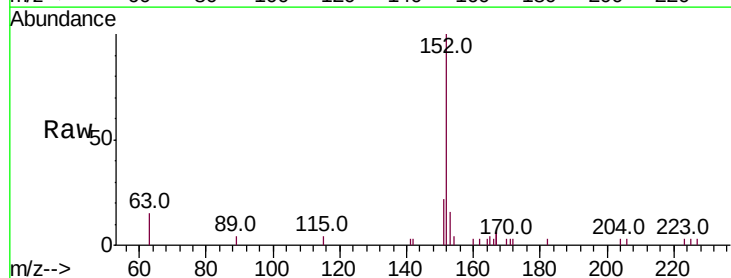


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

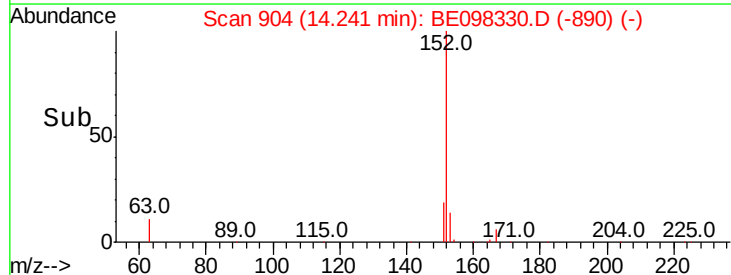
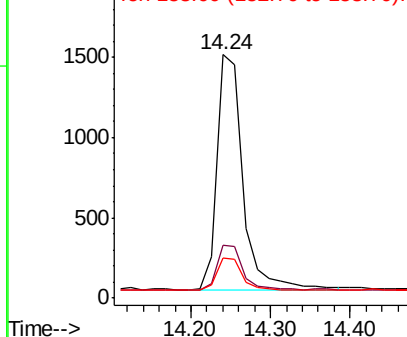


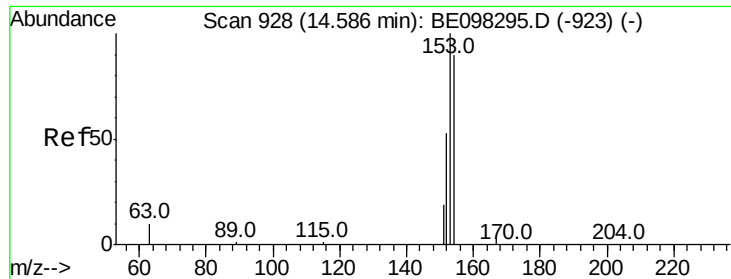
#16
Acenaphthylene
Concen: 0.233 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098330.D
Acq: 11 Dec 2018 13:16

Tgt Ion:152 Resp: 3326
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.8 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

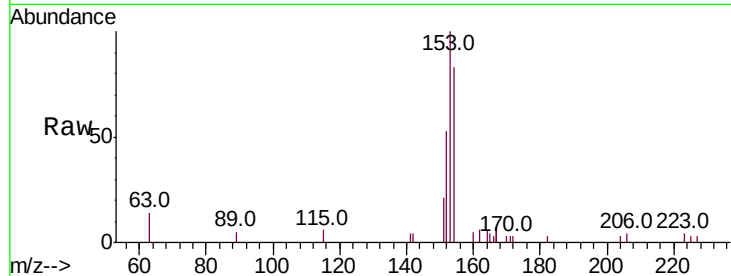




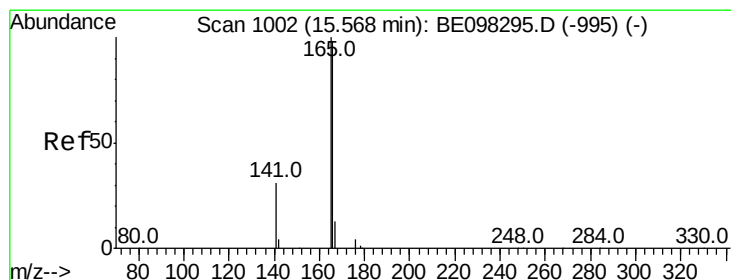
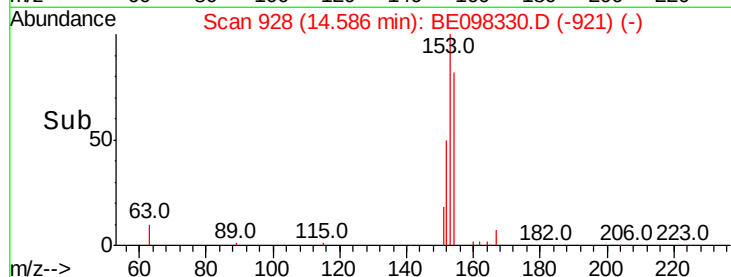
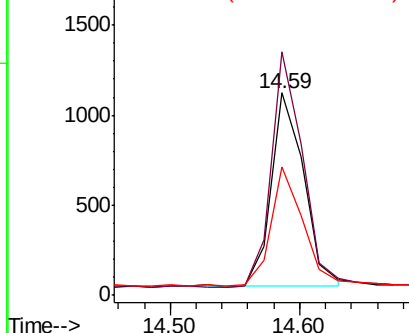
#17
Acenaphthene
Concen: 0.219 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098330.D
Acq: 11 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :
PB115391BS

Tot Ion:154 Resp: 1884
Ion Ratio Lower Upper
154 100
153 116.9 91.8 137.6
152 60.4 45.5 68.3

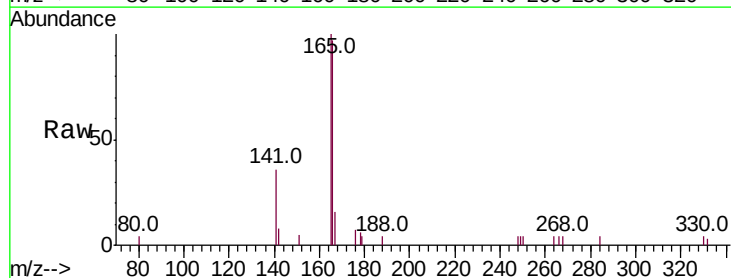


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

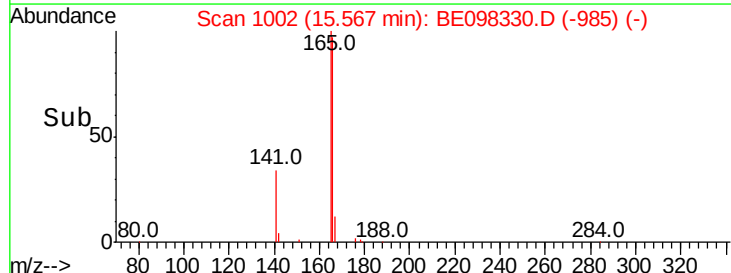
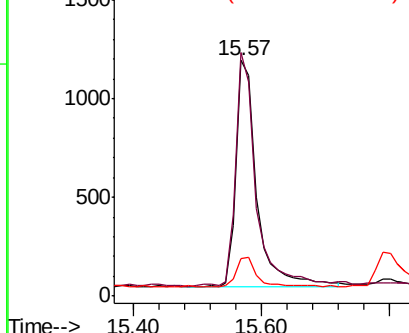


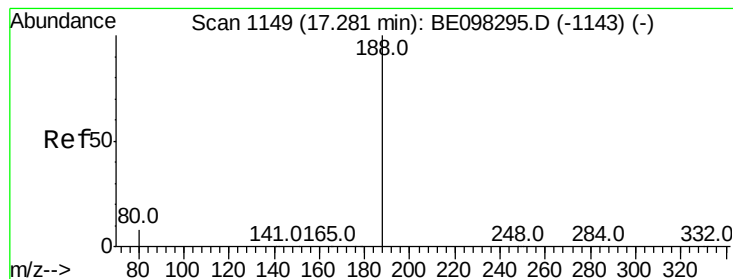
#18
Fluorene
Concen: 0.224 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098330.D
Acq: 11 Dec 2018 13:16

Tgt Ion:166 Resp: 2577
Ion Ratio Lower Upper
166 100
165 99.9 79.3 118.9
167 14.3 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: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

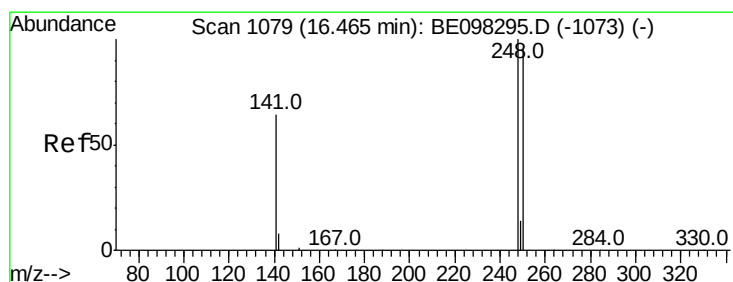
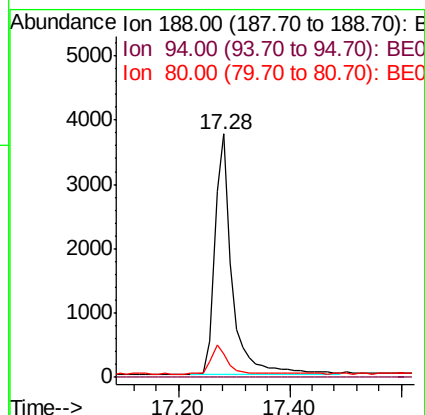
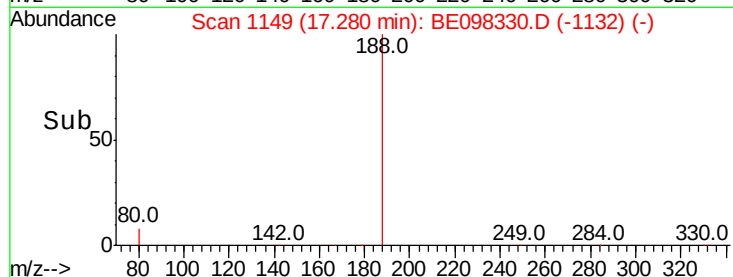
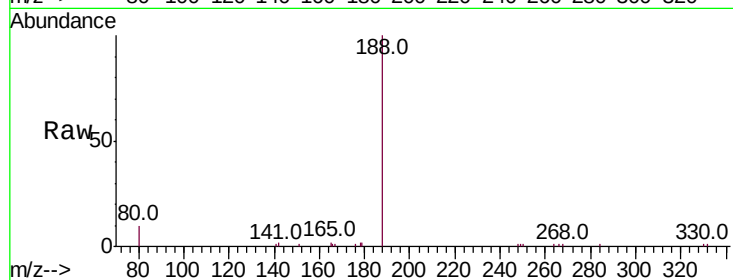
Tot Ion:188 Resp: 7845

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 7.2 10.8



#20

4-Bromophenyl-phenylether

Concen: 0.196 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

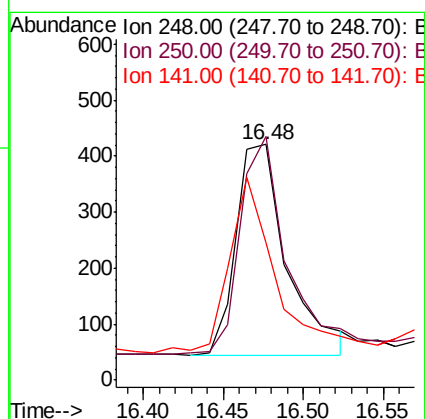
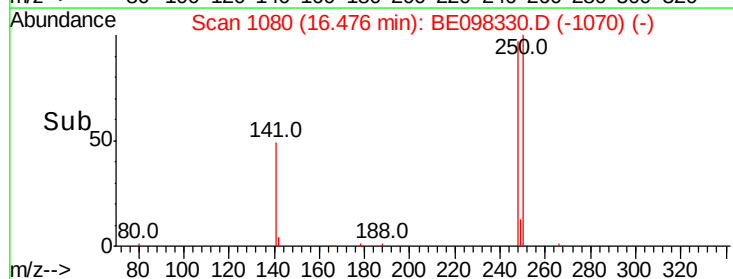
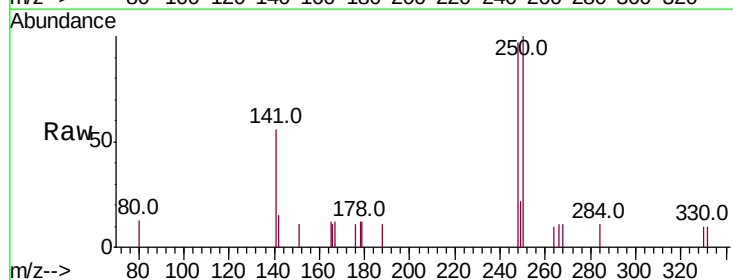
Tgt Ion:248 Resp: 829

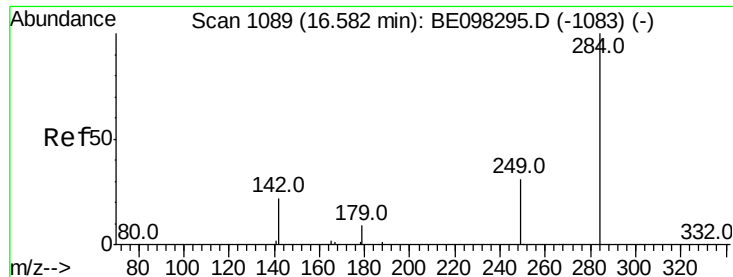
Ion Ratio Lower Upper

248 100

250 103.3 71.0 106.6

141 58.2 62.1 93.1#





#21

Hexachlorobenzene

Concen: 0.213 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

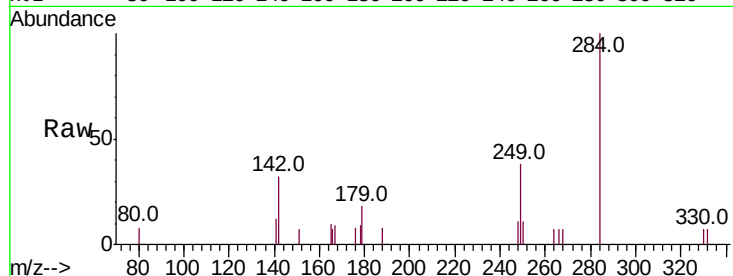
Tot Ion:284 Resp: 966

Ion Ratio Lower Upper

284 100

142 36.2 26.3 39.5

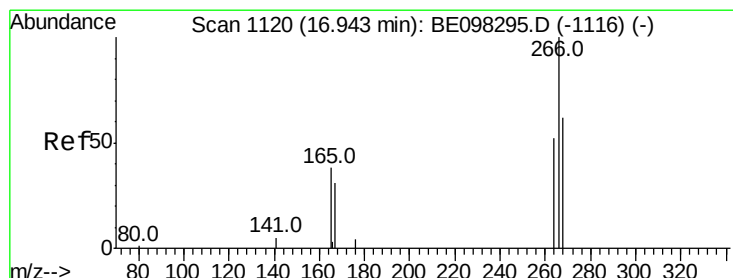
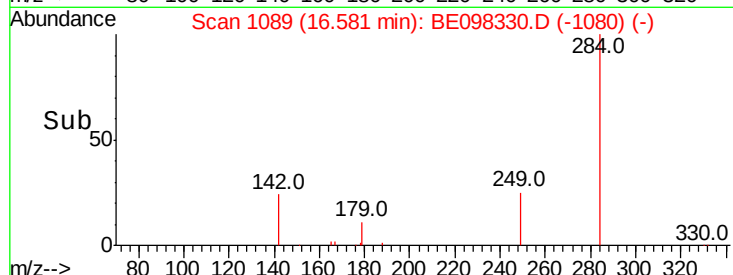
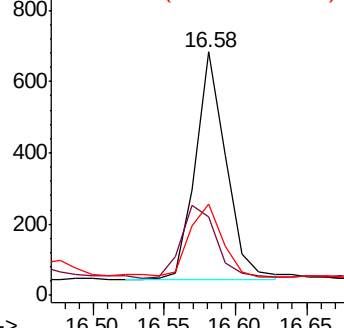
249 34.6 26.0 39.0



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: 0.322 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

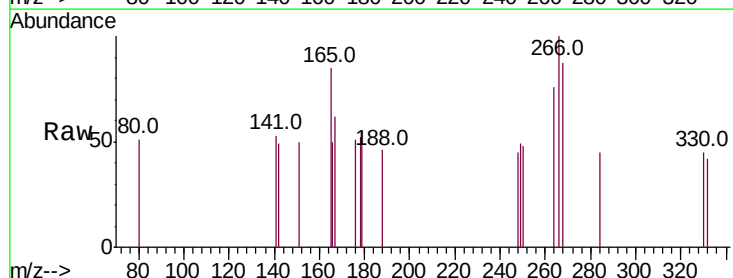
Tgt Ion:266 Resp: 227

Ion Ratio Lower Upper

266 100

264 75.7 59.0 88.4

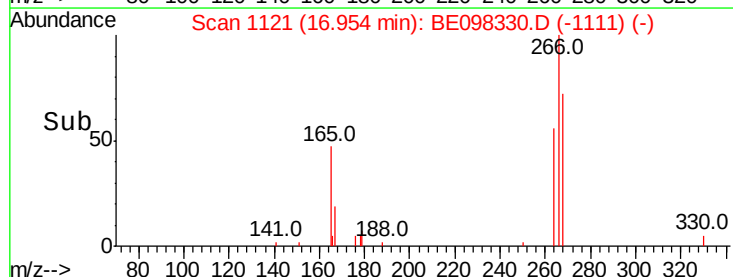
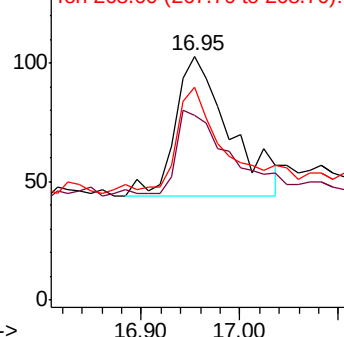
268 87.4 55.1 82.7#

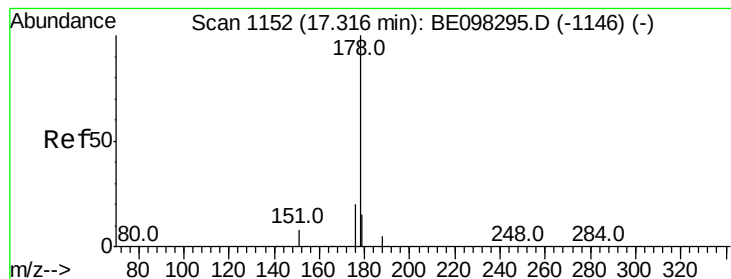


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.230 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

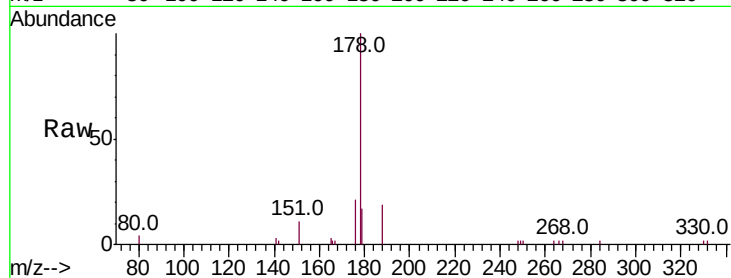
Tot Ion:178 Resp: 4386

Ion Ratio Lower Upper

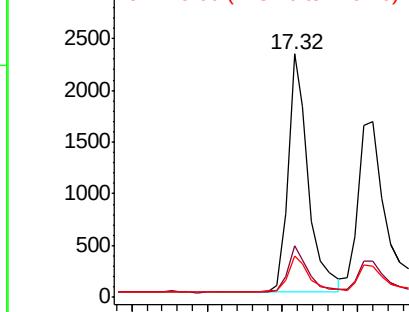
178 100

176 19.1 15.9 23.9

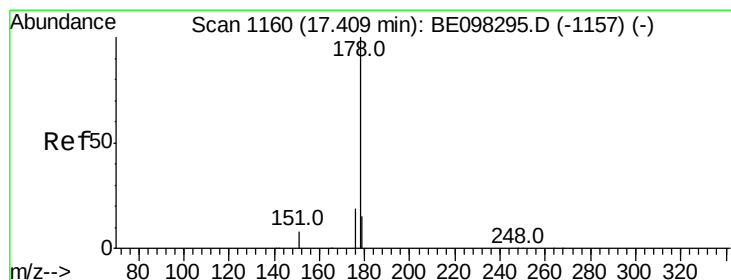
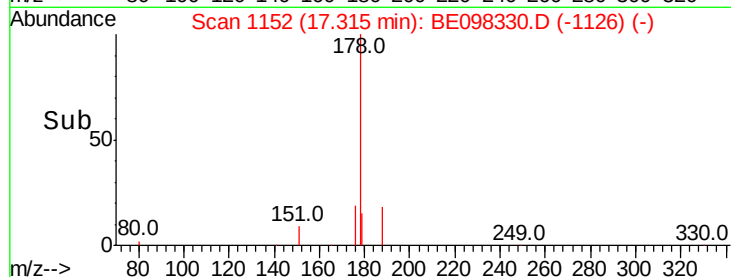
179 16.3 12.3 18.5



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: 0.211 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

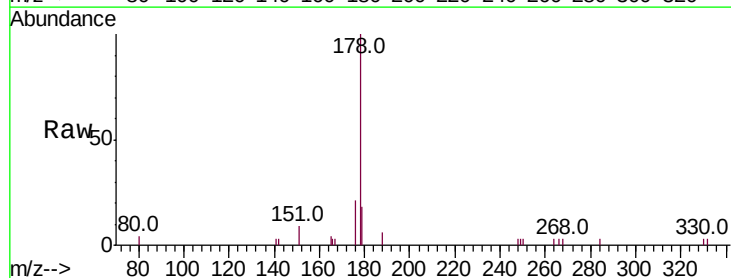
Tgt Ion:178 Resp: 3581

Ion Ratio Lower Upper

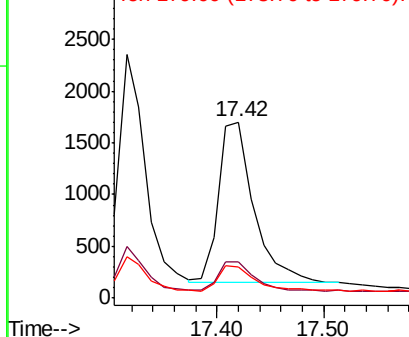
178 100

176 18.3 15.0 22.4

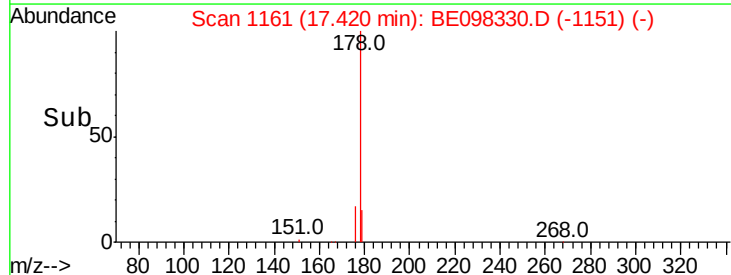
179 16.4 12.3 18.5

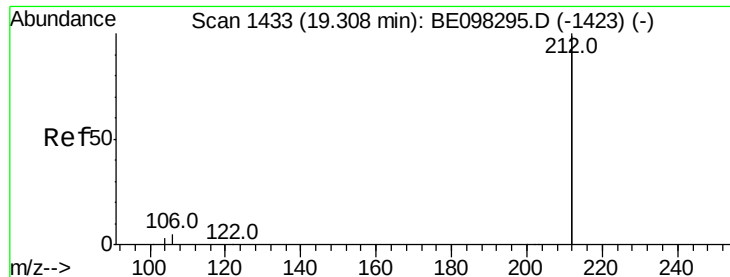


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.242 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

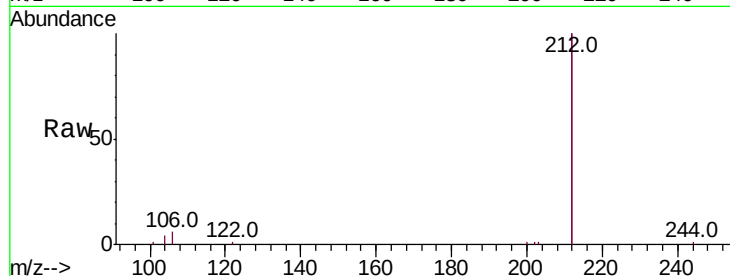
Tot Ion:212 Resp: 24357

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

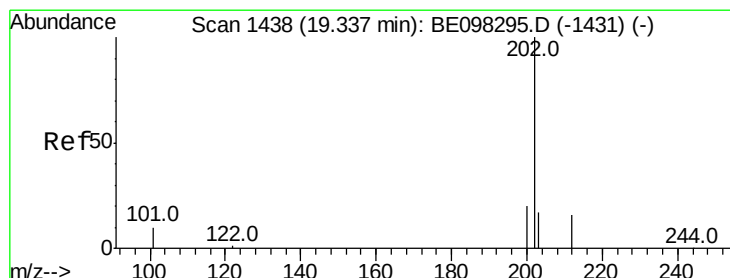
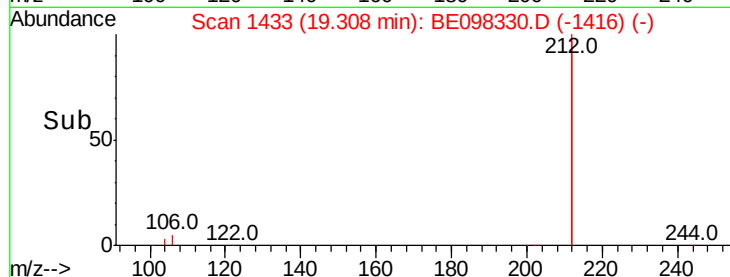
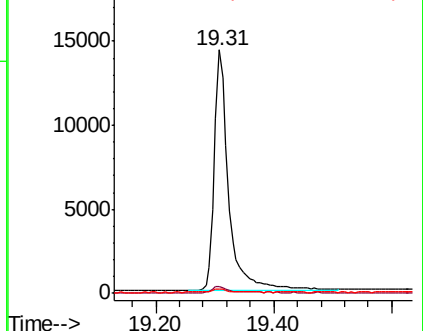
104 1.4 1.3 1.9



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: 0.237 ng

RT: 19.34 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

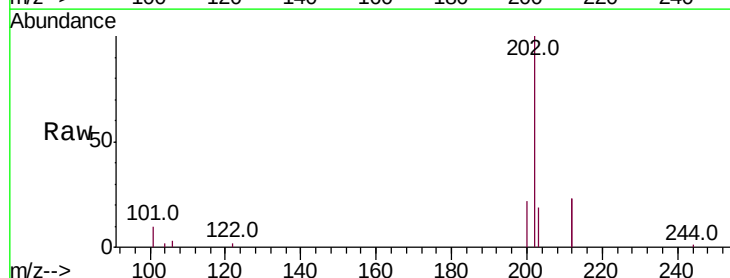
Tgt Ion:202 Resp: 5973

Ion Ratio Lower Upper

202 100

101 9.1 8.0 12.0

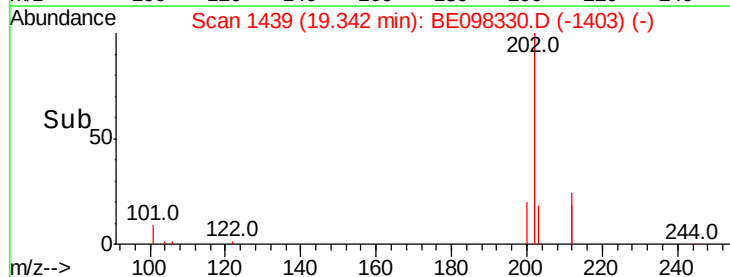
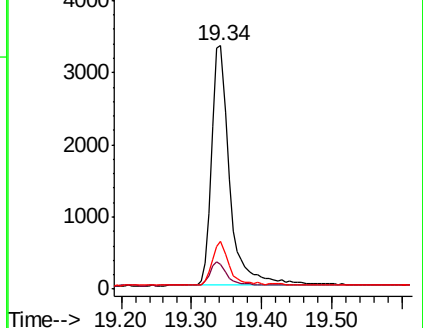
203 16.8 13.8 20.6

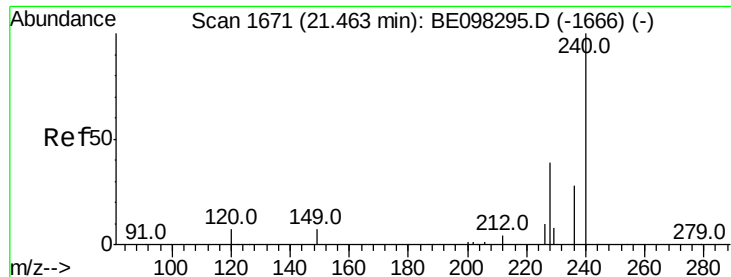


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

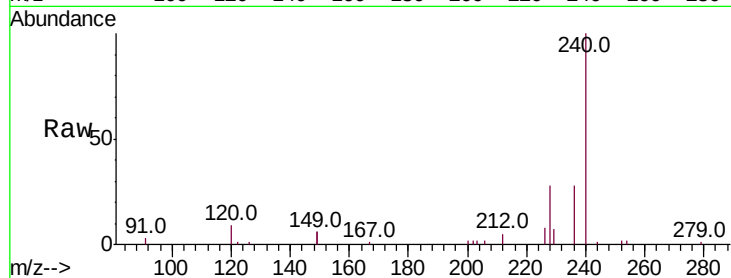
Tot Ion:240 Resp: 10481

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

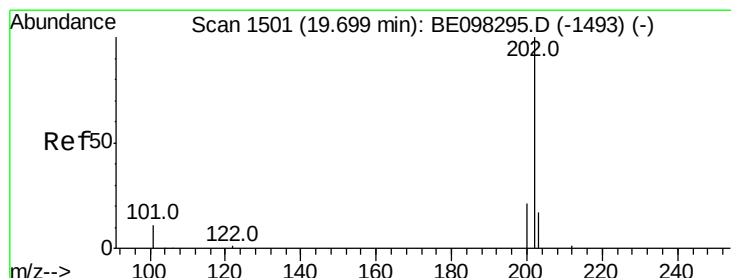
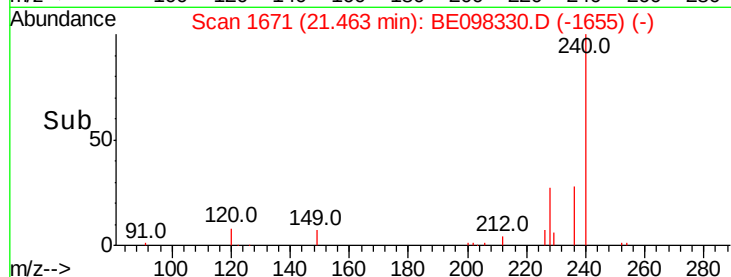
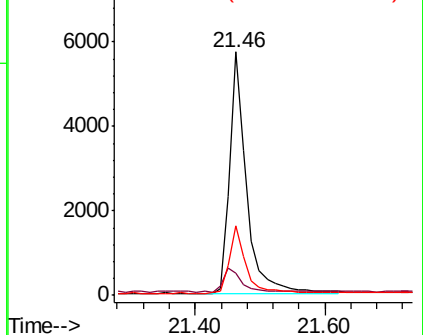
236 28.4 22.7 34.1



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: 0.181 ng

RT: 19.70 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

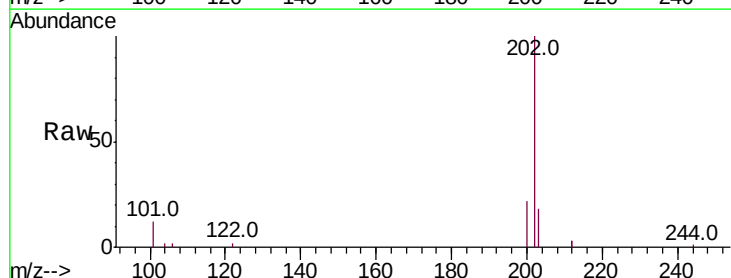
Tgt Ion:202 Resp: 5951

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

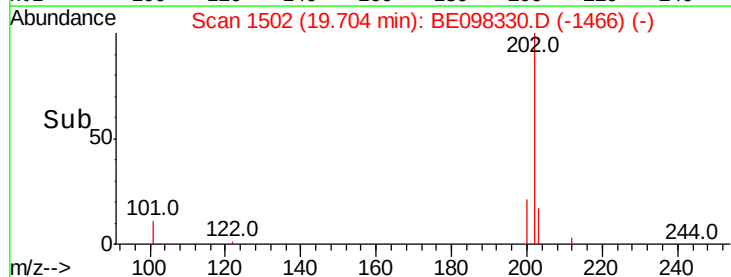
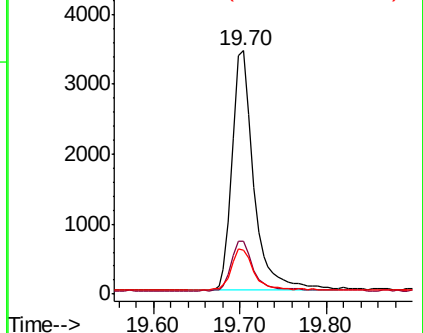
203 17.9 14.1 21.1

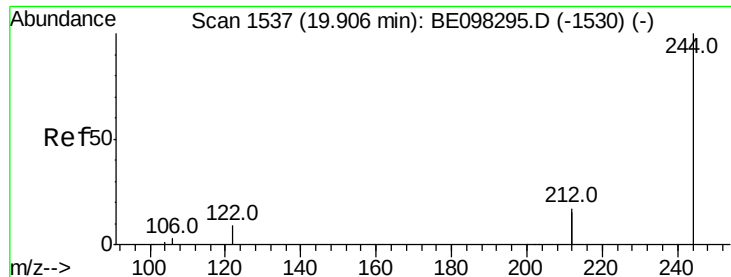


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

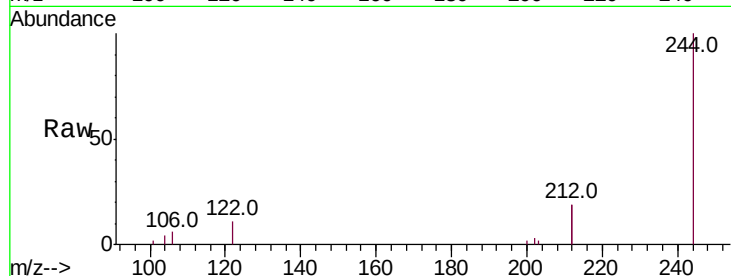
Tot Ion:244 Resp: 4638

Ion Ratio Lower Upper

244 100

212 38.4 27.4 41.0

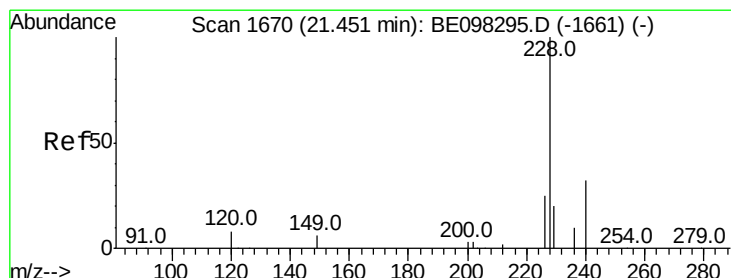
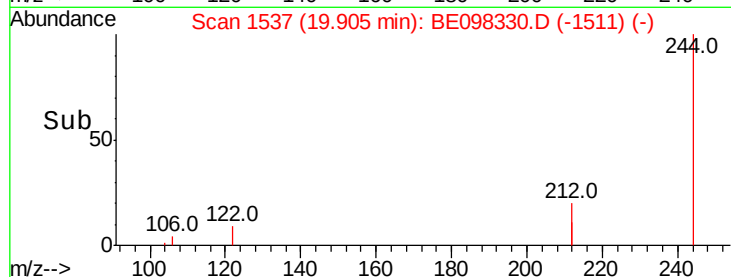
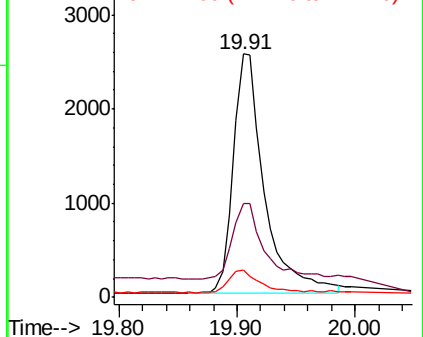
122 11.3 8.3 12.5



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: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

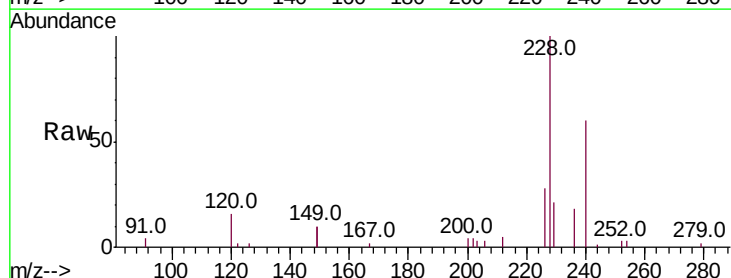
Tgt Ion:228 Resp: 6504

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

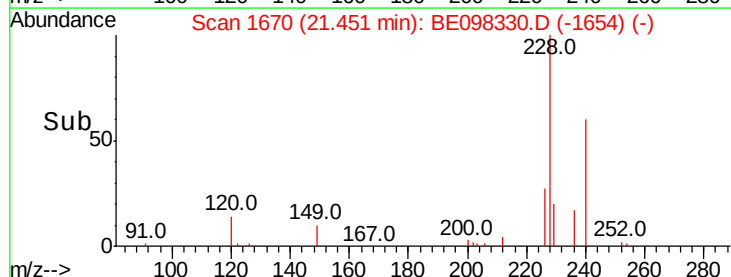
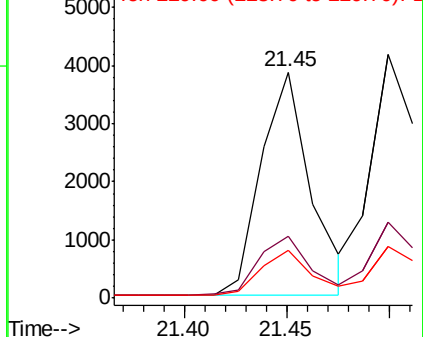
229 21.1 16.3 24.5

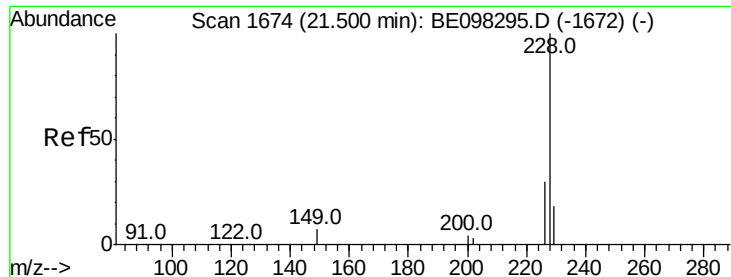


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.234 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

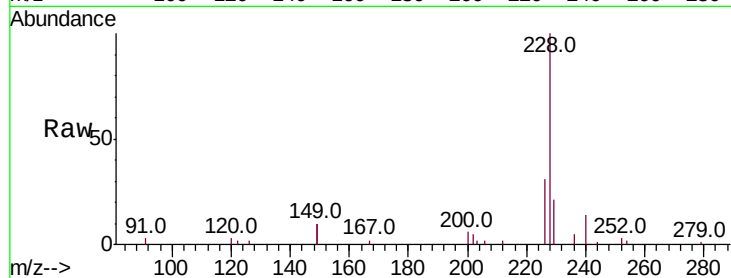
BNA_E

ClientSampleId :

PB115391BS

Tot Ion:228 Resp: 7306

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.0
229	21.3	16.2	24.4

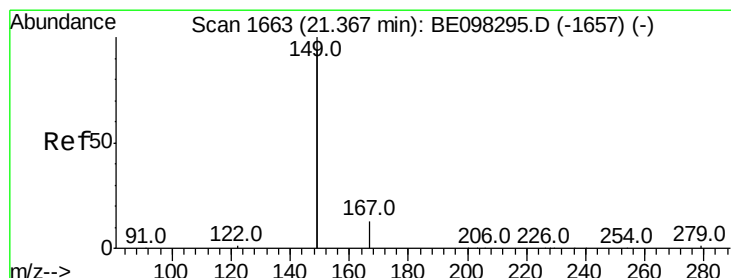
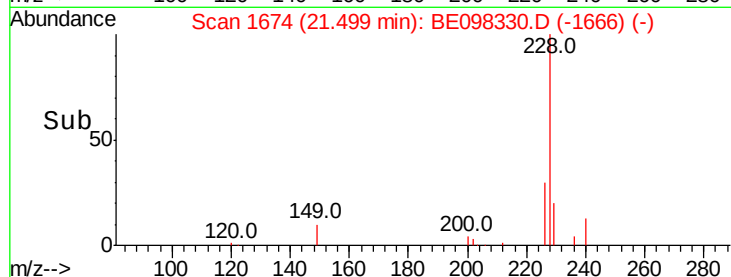
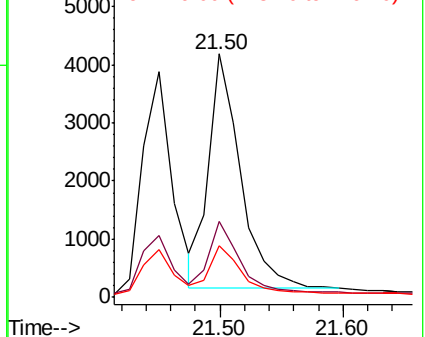


Abundance

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: 0.173 ng

RT: 21.37 min Scan# 1663

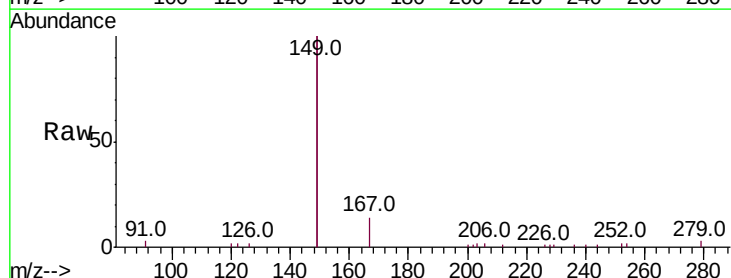
Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Tgt Ion:149 Resp: 10502

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.2	1.0	1.4

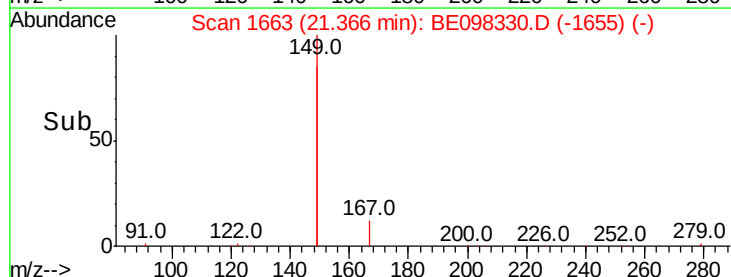
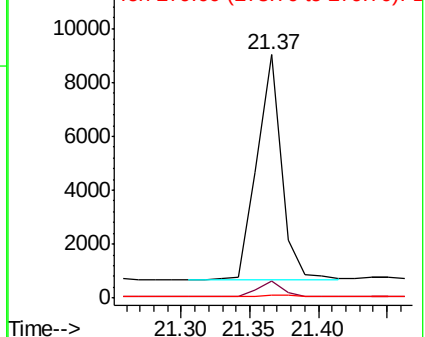


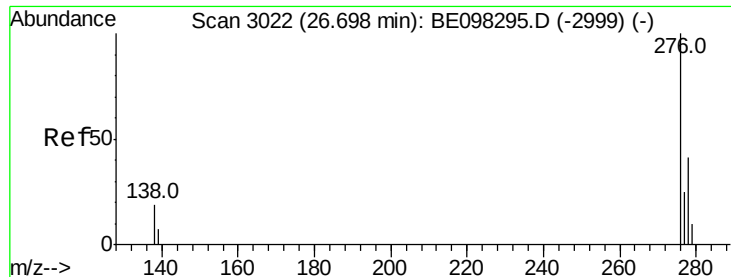
Abundance

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: 0.239 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

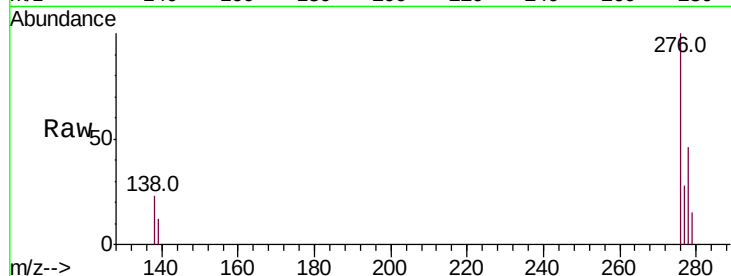
Tot Ion:276 Resp: 7449

Ion Ratio Lower Upper

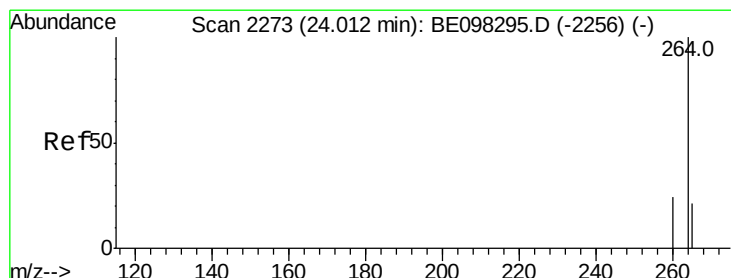
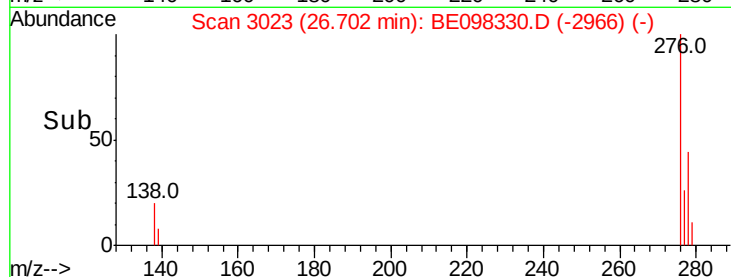
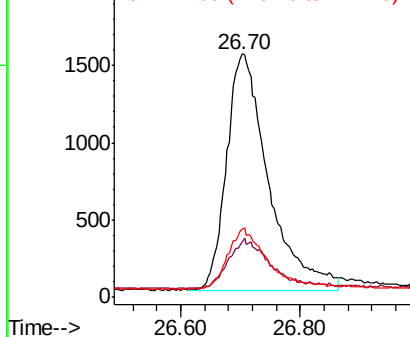
276 100

138 19.3 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

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

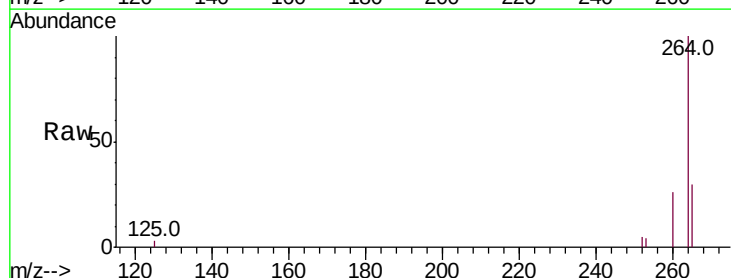
Tgt Ion:264 Resp: 10162

Ion Ratio Lower Upper

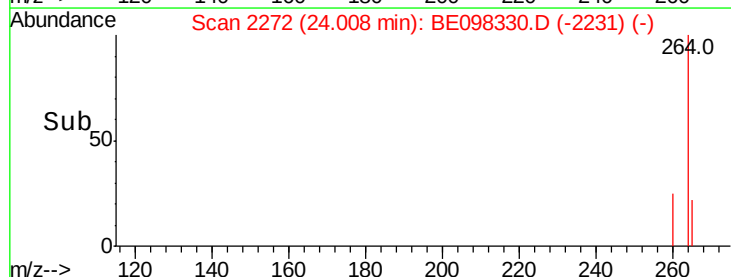
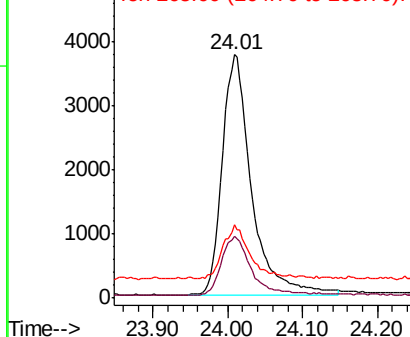
264 100

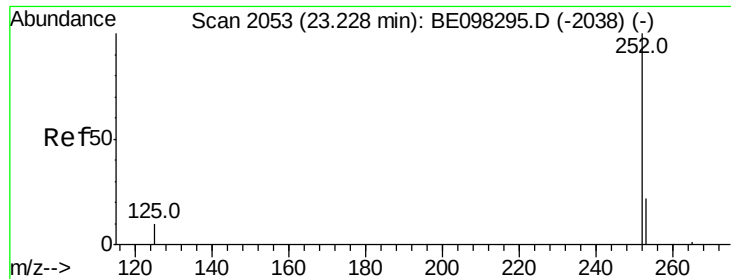
260 25.5 20.2 30.2

265 29.9 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: 0.239 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

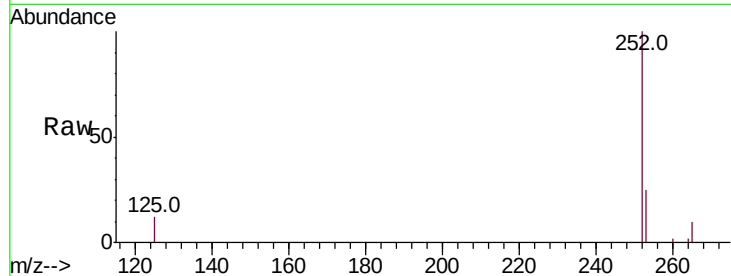
Tot Ion:252 Resp: 6642

Ion Ratio Lower Upper

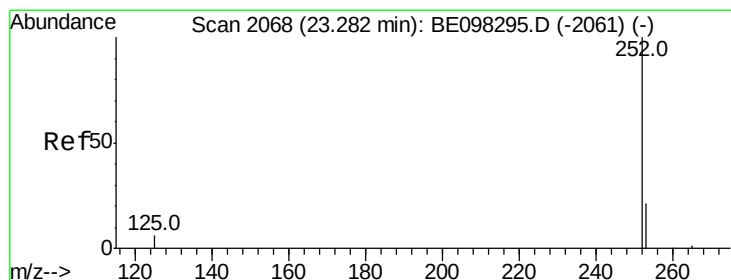
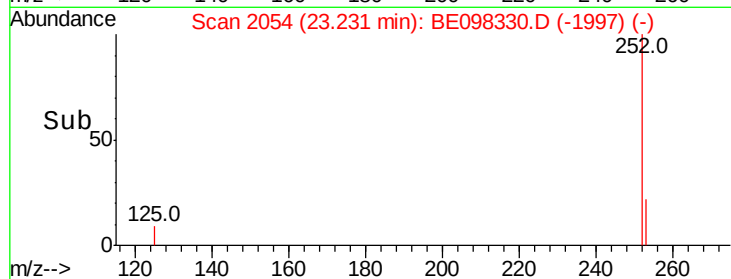
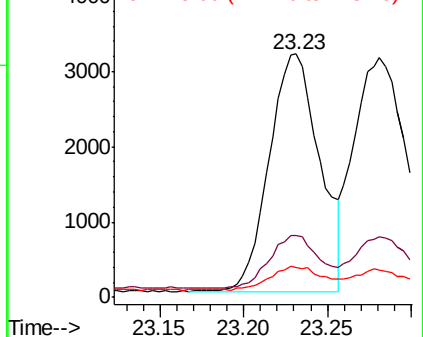
252 100

253 25.5 20.0 30.0

125 12.3 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: 0.236 ng

RT: 23.28 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

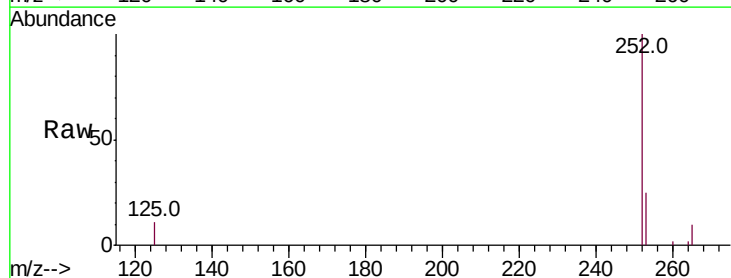
Tgt Ion:252 Resp: 7643

Ion Ratio Lower Upper

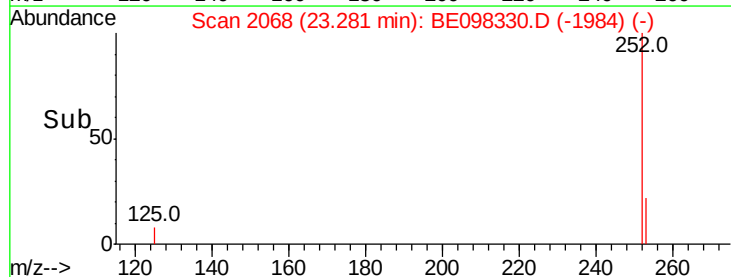
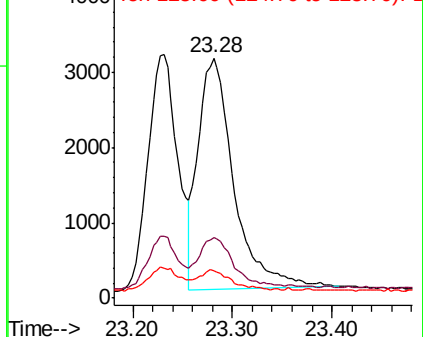
252 100

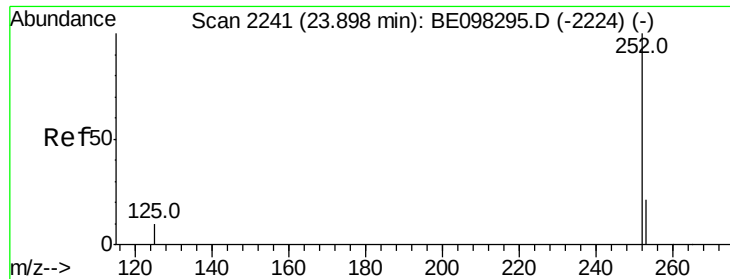
253 25.4 19.0 28.6

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: 0.236 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

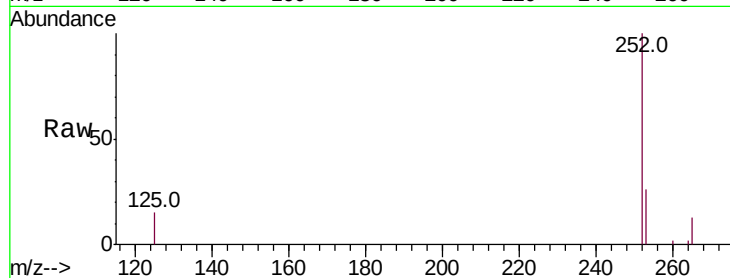
Tot Ion:252 Resp: 6773

Ion Ratio Lower Upper

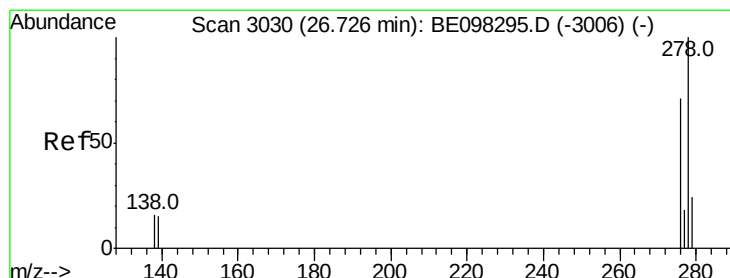
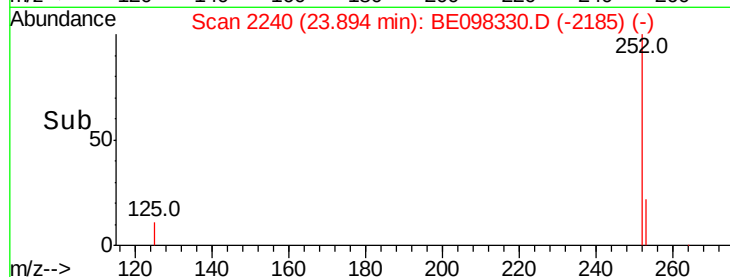
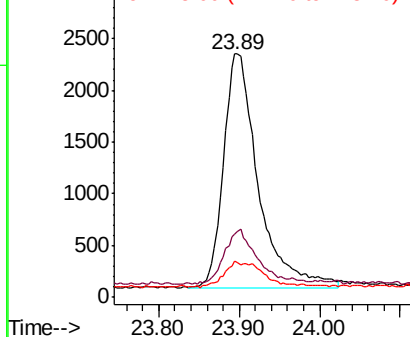
252 100

253 26.1 20.6 30.8

125 14.8 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: 0.228 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

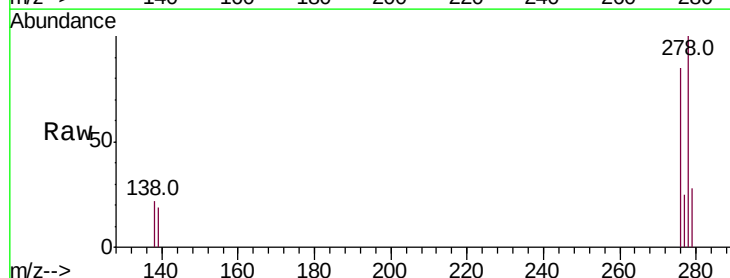
Tgt Ion:278 Resp: 6159

Ion Ratio Lower Upper

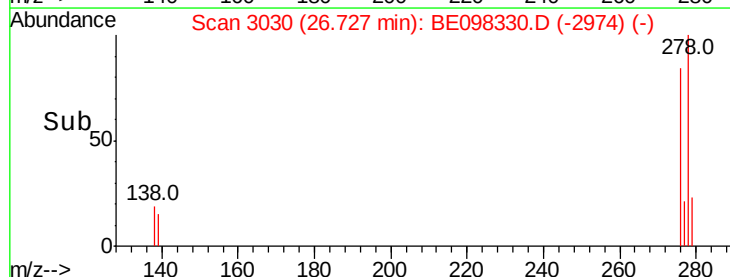
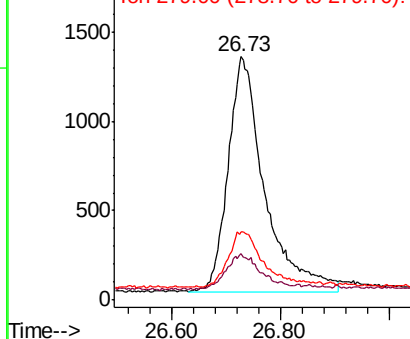
278 100

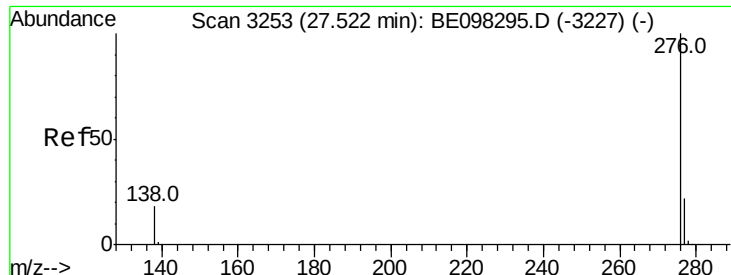
139 19.1 14.5 21.7

279 27.9 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: 0.238 ng

RT: 27.53 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE098330.D

Acq: 11 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

PB115391BS

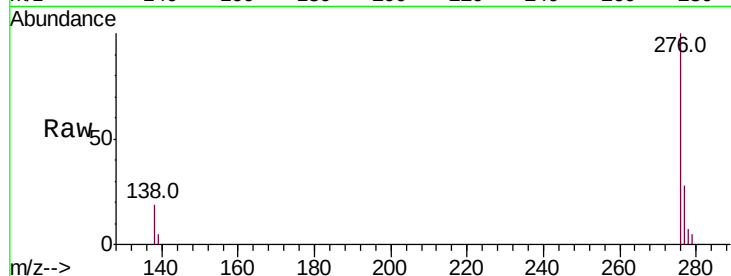
Tot Ion:276 Resp: 6472

Ion Ratio Lower Upper

276 100

277 28.3 20.8 31.2

138 19.4 15.8 23.6



Abundance Ion 276.00 (275.70 to 276.70): E

2000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

