

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121418\
 Data File : BE098459.D
 Acq On : 15 Dec 2018 6:46
 Operator : SJ/JU
 Sample : J6358-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-FW-MW02-20181211

Quant Time: Dec 16 00:51:28 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	7.85	152	11	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	7	0.40	ng	-0.05
13) Acenaphthene-d10	14.50	164	18	0.40	ng	-0.03
19) Phenanthrene-d10	17.29	188	131	0.40	ng	0.01
27) Chrysene-d12	21.46	240	44	0.40	ng	0.00
34) Perylene-d12	24.00	264	7	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	491	19.07	ng	0.00
5) Phenol-d6	7.03	99	472	12.94	ng	-0.01
8) Nitrobenzene-d5	9.03	82	1463	229.61	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	2758	242.30	ng	-0.01
14) 2,4,6-Tribromophenol	16.02	330	758	114.70	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6074	80.00	ng	0.00
25) Fluoranthene-d10	19.30	212	40079	23.85	ng	0.00
29) Terphenyl-d14	19.90	244	10238	95.75	ng	0.00

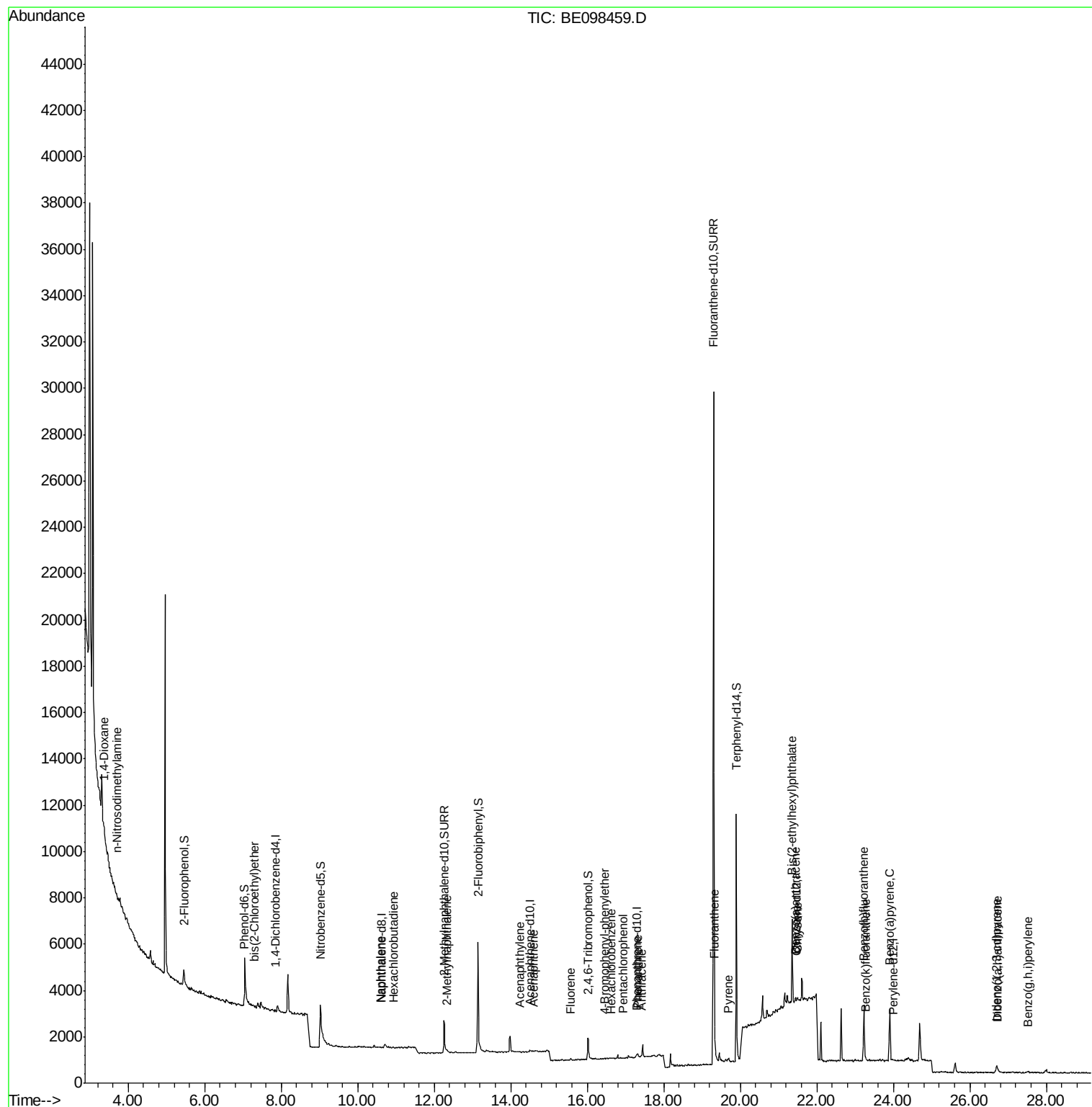
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	17	0.894	ng	# 12
3) n-Nitrosodimethylamine	3.72	42	25	1.460	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	33	0.952	ng	# 1
9) Naphthalene	10.60	128	17	0.241	ng	# 40
10) Hexachlorobutadiene	10.93	225	12	2.676	ng	# 61
12) 2-Methylnaphthalene	12.34	142	37	3.233	ng	# 62
16) Acenaphthylene	14.24	152	40	0.474	ng	# 60
17) Acenaphthene	14.59	154	16	0.316	ng	# 37
18) Fluorene	15.57	166	65	0.959	ng	# 21
20) 4-Bromophenyl-phenylether	16.46	248	21	0.298	ng	# 73
21) Hexachlorobenzene	16.63	284	4	0.053	ng	# 1
22) Pentachlorophenol	16.93	266	12	0.852	ng	# 68
23) Phenanthrene	17.32	178	229	0.719	ng	# 78
24) Anthracene	17.41	178	120	0.423	ng	# 82
26) Fluoranthene	19.33	202	188	0.446	ng	# 66
28) Pyrene	19.69	202	166	1.202	ng	# 75
30) Benzo(a)anthracene	21.44	228	174	1.389	ng	# 6
31) Chrysene	21.50	228	192	1.463	ng	# 22
32) Bis(2-ethylhexyl)phthalate	21.35	149	4629	18.190	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.70	276	92	0.704	ng	# 63
35) Benzo(b)fluoranthene	23.23	252	471	24.604	ng	# 1
36) Benzo(k)fluoranthene	23.27	252	146	6.547	ng	# 1
37) Benzo(a)pyrene	23.91	252	452	22.884	ng	# 1
38) Dibenzo(a,h)anthracene	26.71	278	36	1.935	ng	# 1
39) Benzo(g,h,i)perylene	27.51	276	100	5.334	ng	# 1

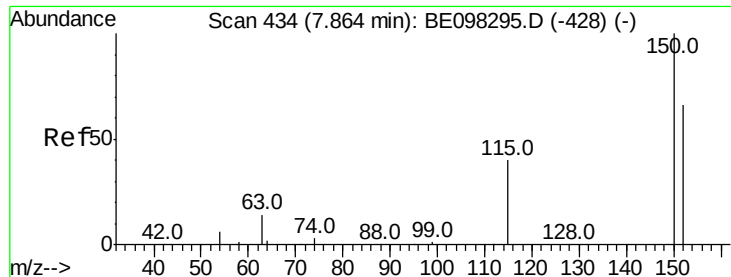
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

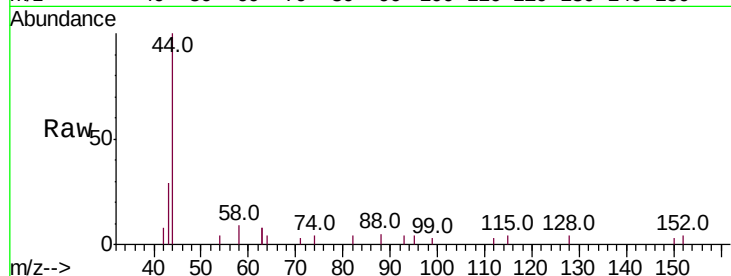
Tot Ion:152 Resp: 11

Ion Ratio Lower Upper

152 100

150 90.4 124.2 186.4#

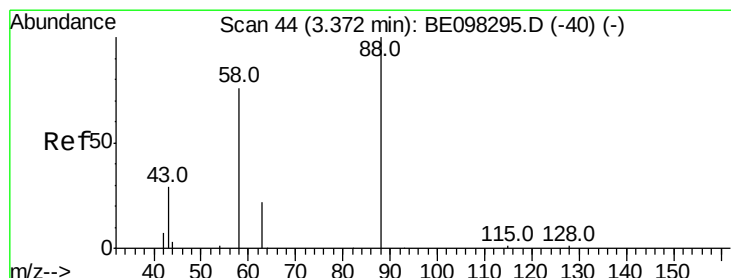
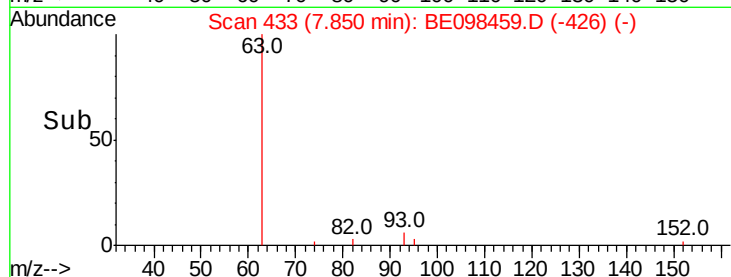
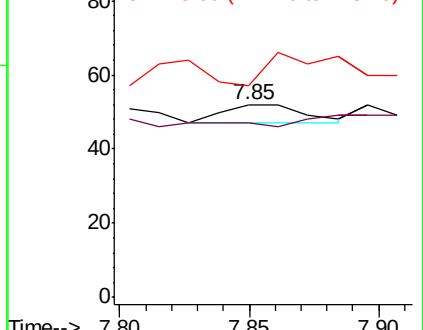
115 109.6 53.9 80.9#



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: 0.894 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

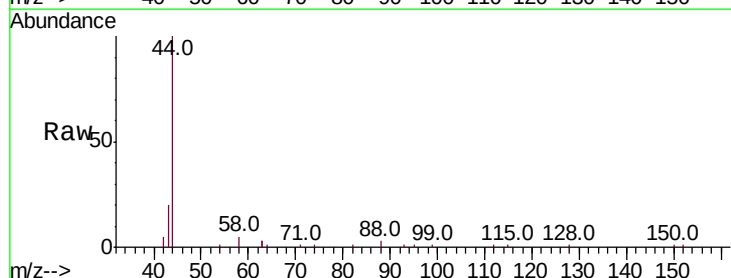
Tgt Ion: 88 Resp: 17

Ion Ratio Lower Upper

88 100

58 0.0 75.0 112.6#

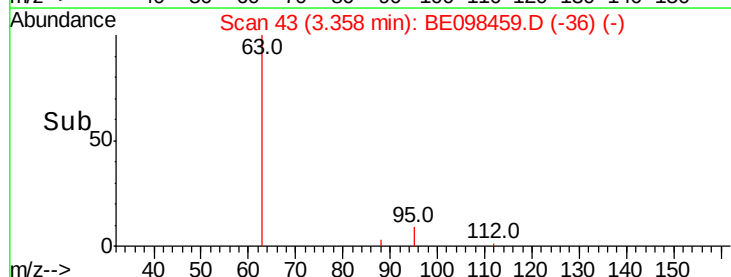
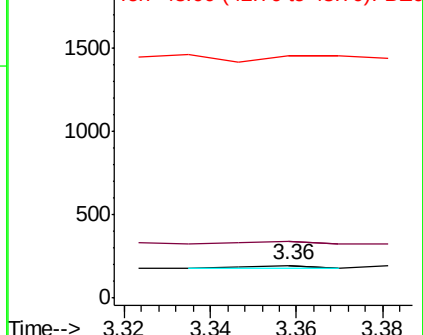
43 0.0 38.3 57.5#

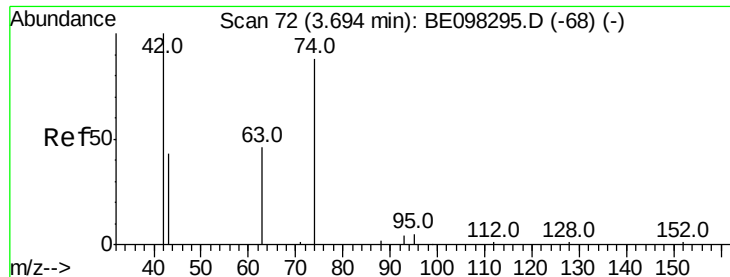


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



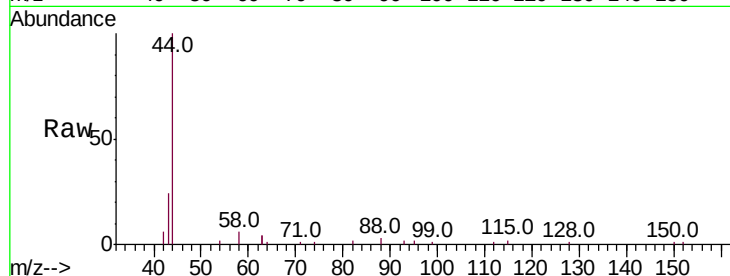


#3

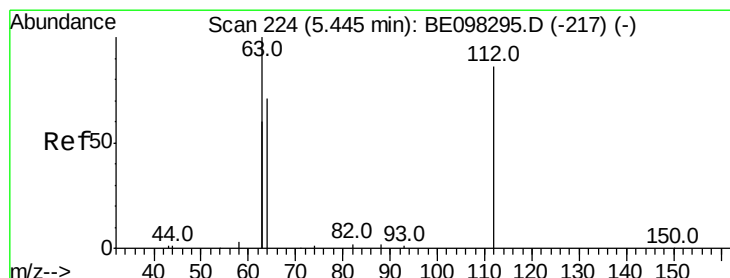
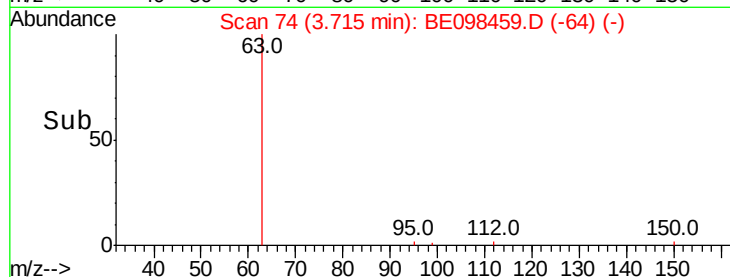
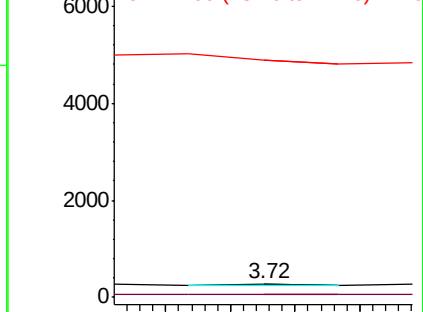
n-Nitrosodimethylamine
 Concen: 1.460 ng
 RT: 3.72 min Scan# 74
 Delta R.T. 0.02 min
 Lab File: BE098459.D
 Acq: 15 Dec 2018 6:46

Instrument :
 BNA_E
 ClientSampleId :
 BP-FW-MW02-20181211

Tot Ion:	42	Resp:	25
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



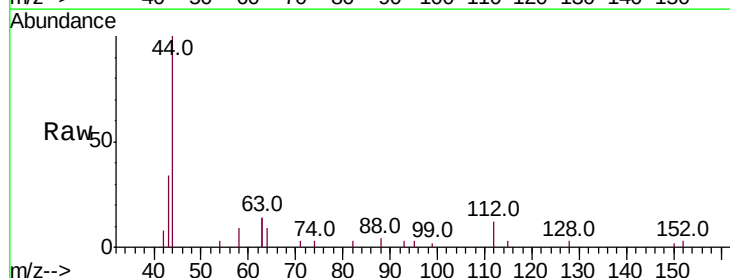
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



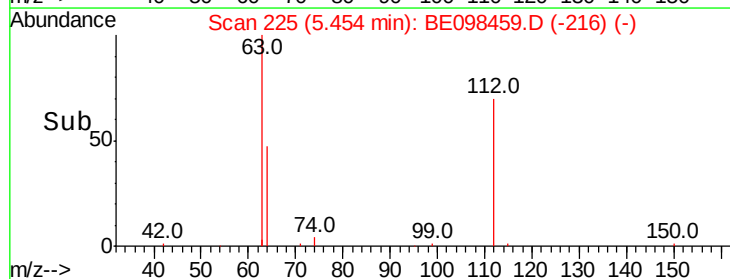
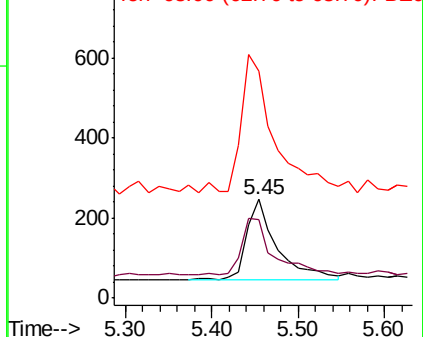
#4

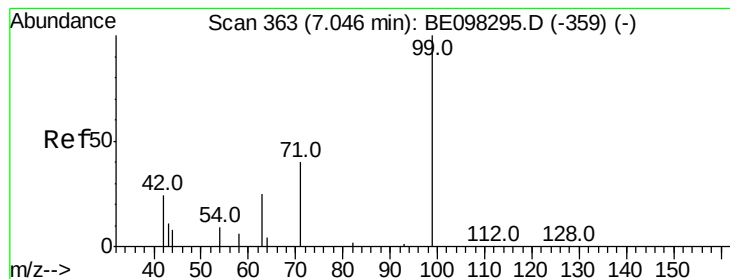
2-Fluorophenol
 Concen: 19.072 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: BE098459.D
 Acq: 15 Dec 2018 6:46

Tgt Ion:	112	Resp:	491
Ion	Ratio	Lower	Upper
112	100		
64	75.8	59.8	89.8
63	191.9	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: 12.944 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

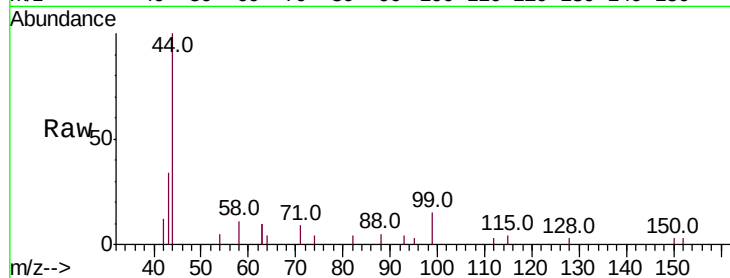
Tot Ion: 99 Resp: 472

Ion Ratio Lower Upper

99 100

42 0.0 26.3 39.5#

71 41.9 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

7.03

250

200

150

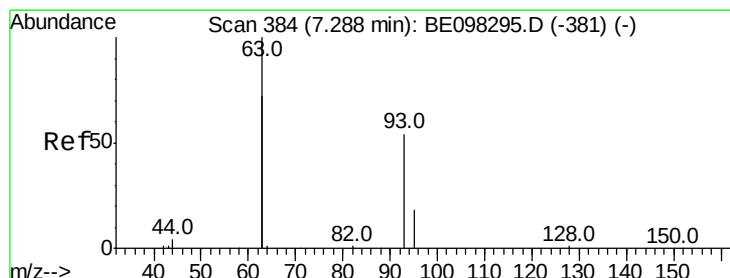
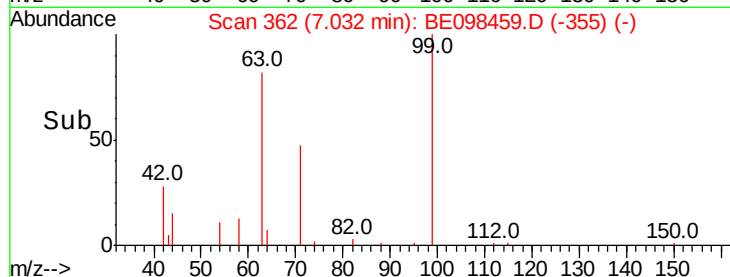
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.952 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

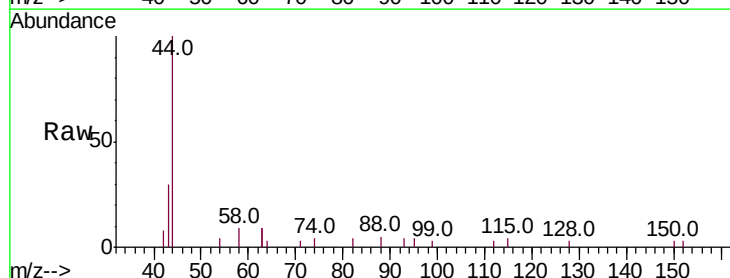
Tgt Ion: 93 Resp: 33

Ion Ratio Lower Upper

93 100

63 0.0 264.4 396.6#

95 0.0 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

400

300

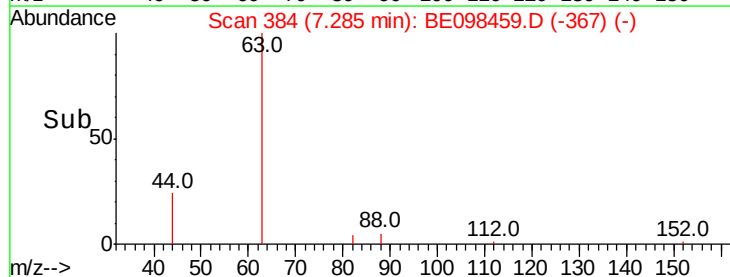
200

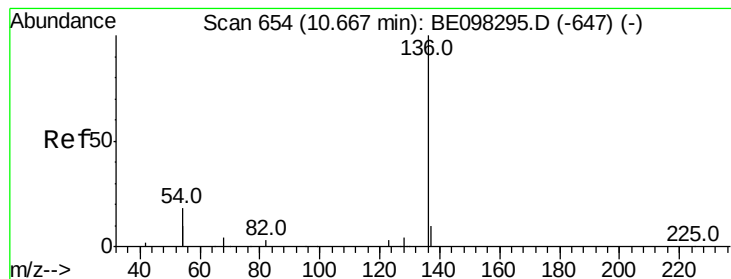
100

0

7.25 7.30 7.35 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.05 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

Tot Ion:136 Resp: 7

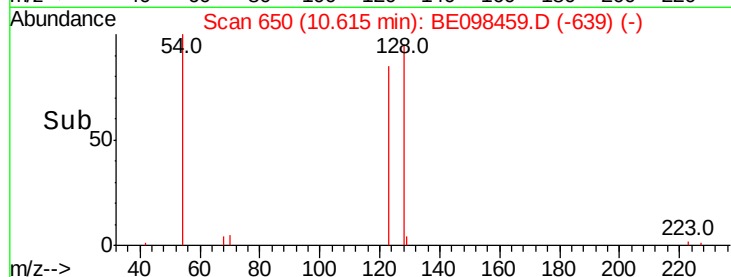
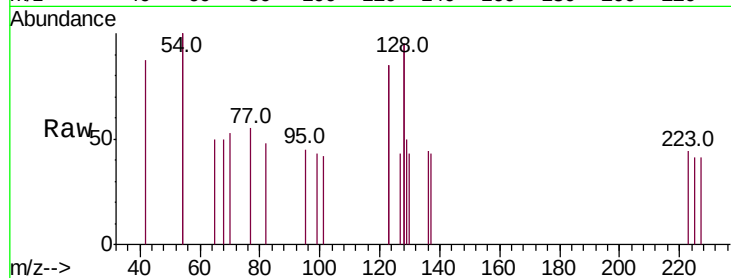
Ion Ratio Lower Upper

136 100

137 98.0 9.2 13.8#

54 453.1 28.4 42.6#

68 112.2 5.4 8.0#

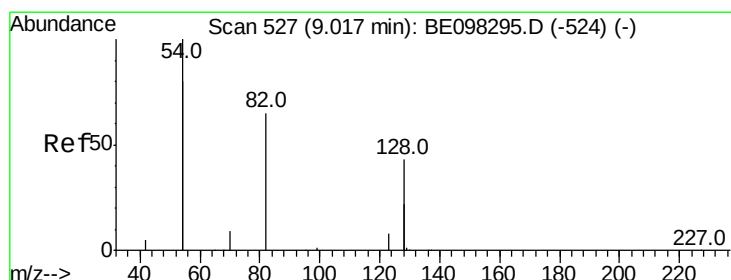
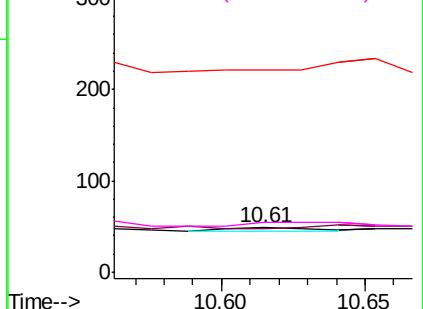


Abundance Ion 136.00 (135.70 to 136.70): E

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: 229.611 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

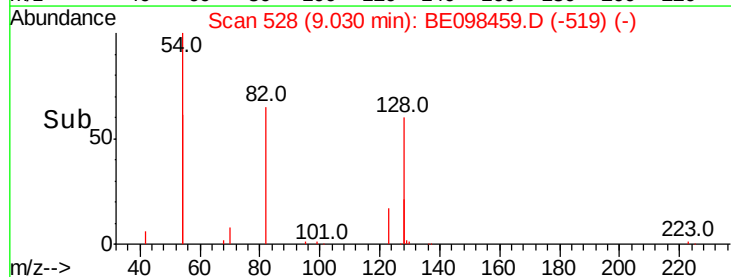
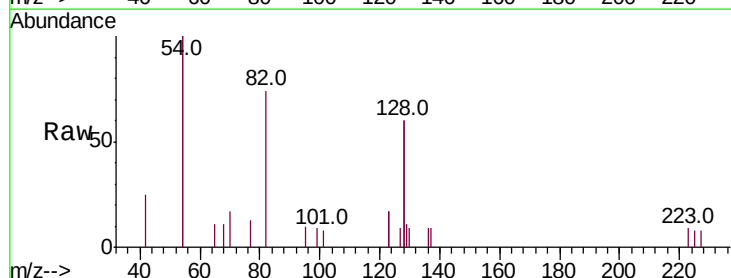
Tgt Ion: 82 Resp: 1463

Ion Ratio Lower Upper

82 100

128 163.1 102.4 153.6#

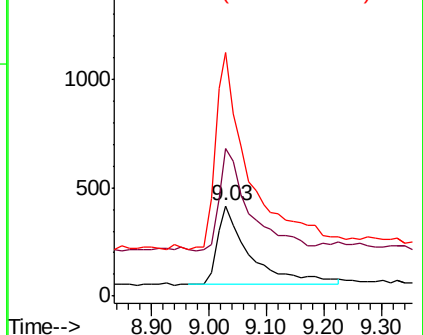
54 269.5 221.8 332.8

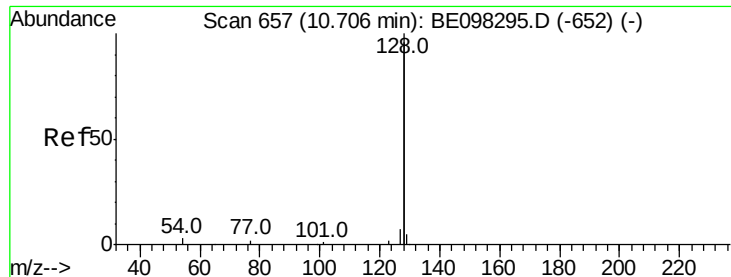


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.10 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

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BP-FW-MW02-20181211

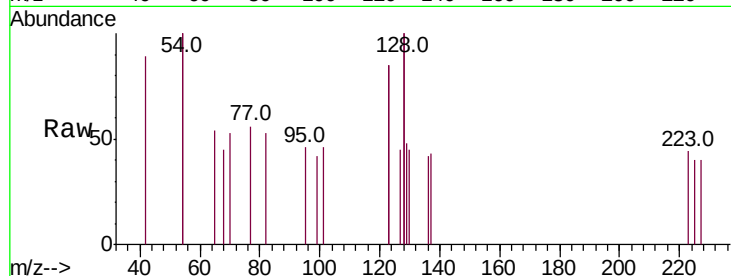
Tot Ion:128 Resp: 17

Ion Ratio Lower Upper

128 100

129 23.9 2.5 3.7#

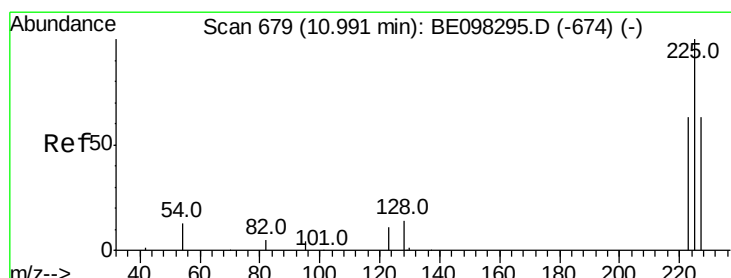
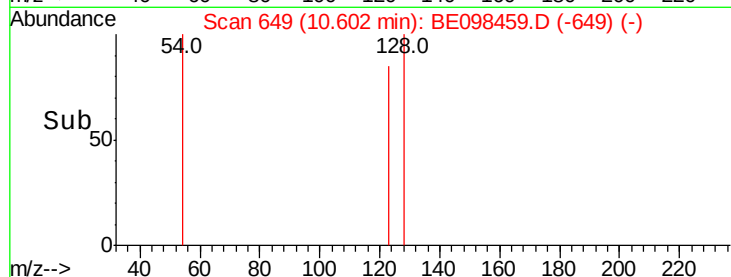
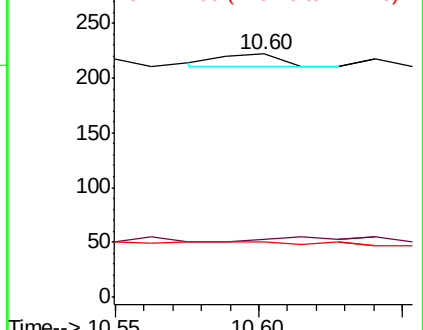
127 22.5 2.7 4.1#



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: 2.676 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.07 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

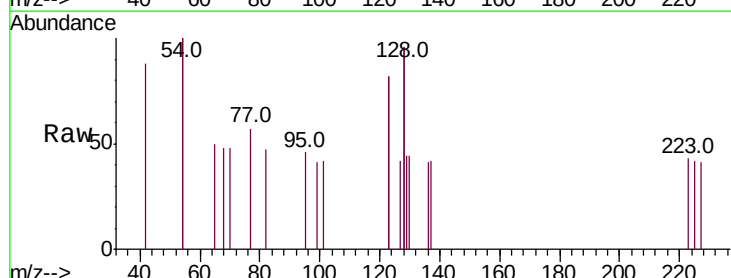
Tgt Ion:225 Resp: 12

Ion Ratio Lower Upper

225 100

223 50.0 49.4 74.0

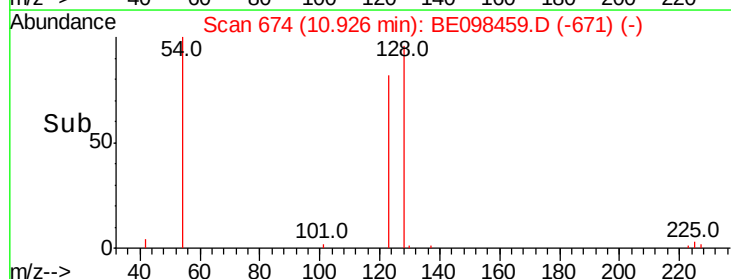
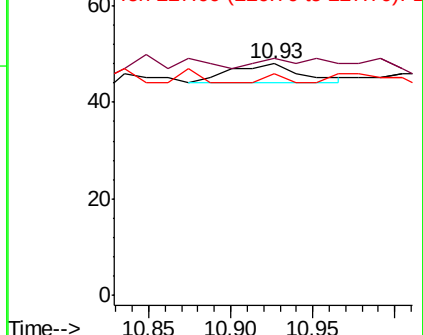
227 16.7 52.0 78.0#

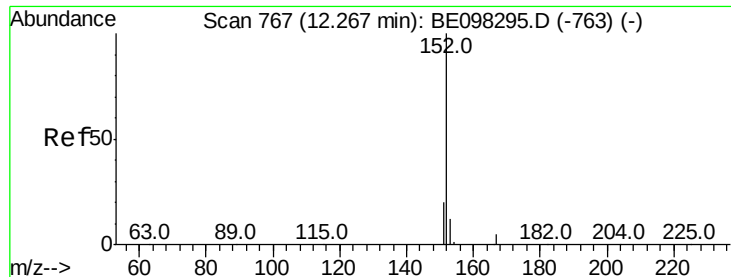


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

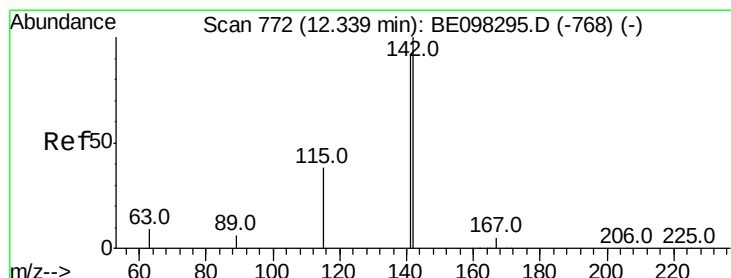
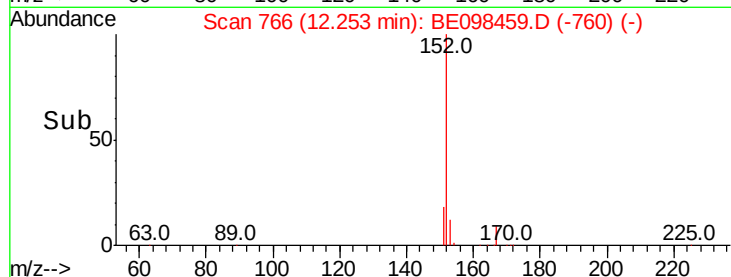
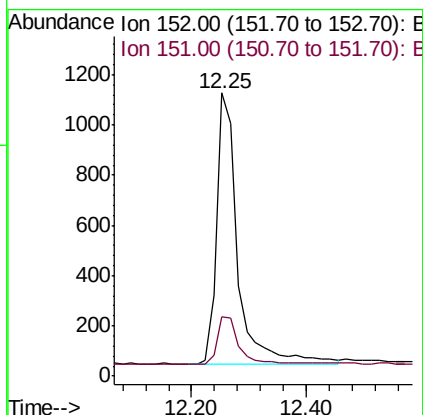
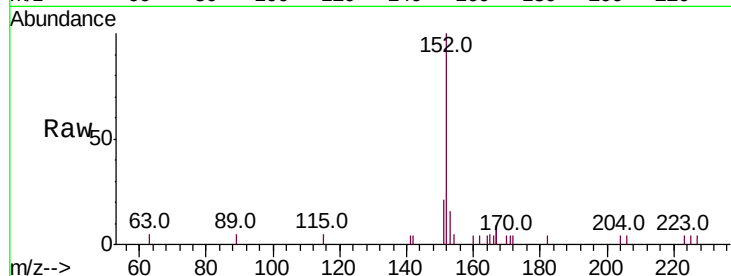




#11
 2-Methylnaphthalene-d10
 Concen: 242.299 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098459.D
 Acq: 15 Dec 2018 6:46

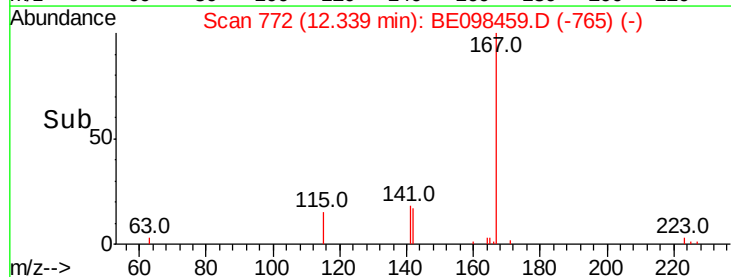
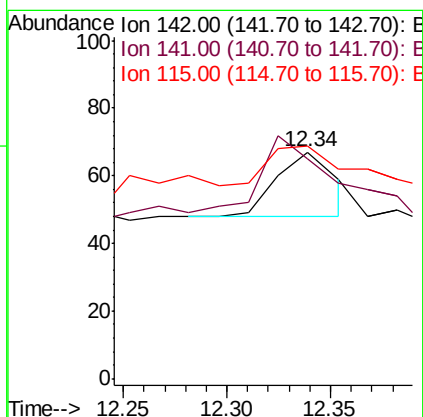
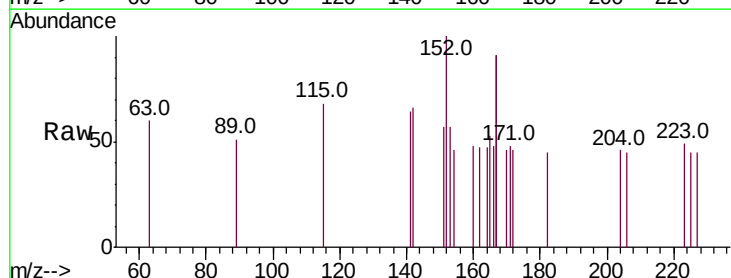
Instrument :
 BNA_E
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 BP-FW-MW02-20181211

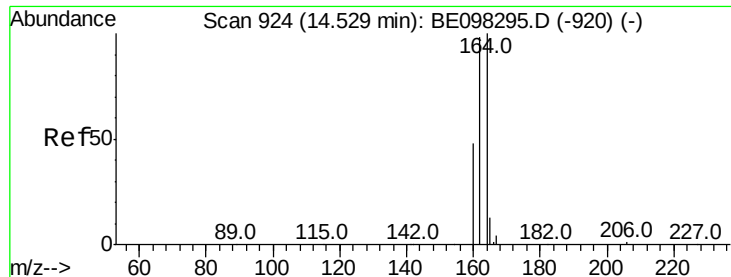
Tot Ion:152 Resp: 2758
 Ion Ratio Lower Upper
 152 100
 151 18.7 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 3.233 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE098459.D
 Acq: 15 Dec 2018 6:46

Tgt Ion:142 Resp: 37
 Ion Ratio Lower Upper
 142 100
 141 97.0 71.0 106.6
 115 103.0 32.2 48.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

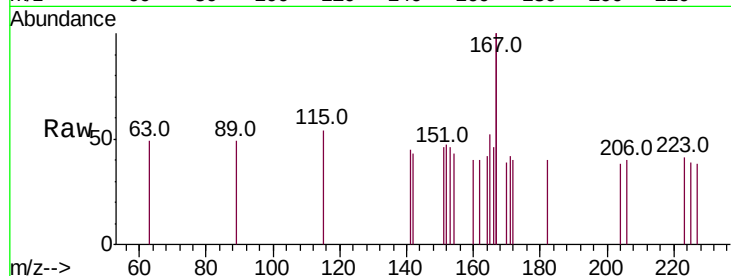
Tot Ion:164 Resp: 18

Ion Ratio Lower Upper

164 100

162 96.0 77.6 116.4

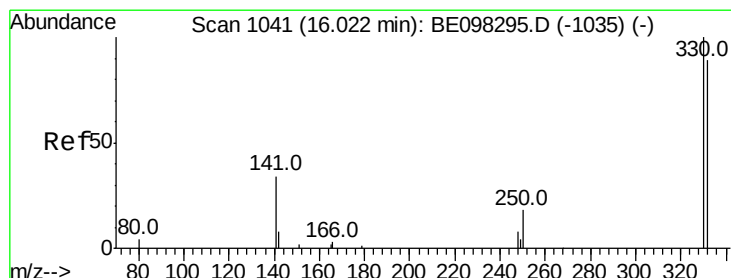
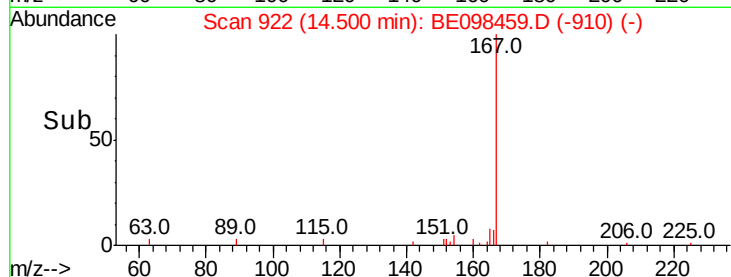
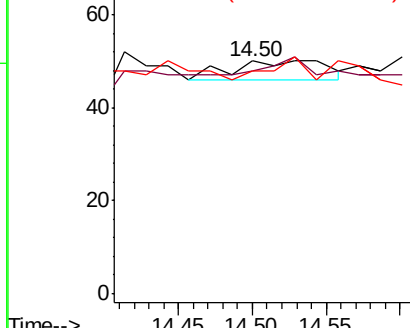
160 96.0 36.0 54.0#



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: 114.703 ng

RT: 16.02 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

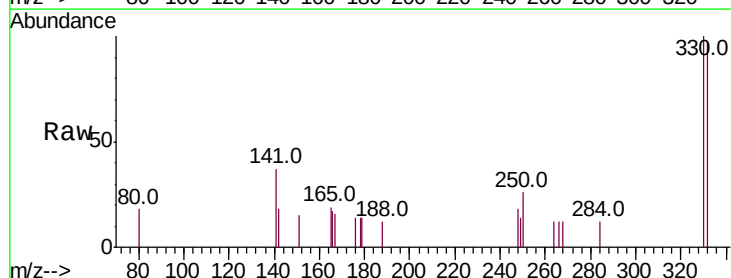
Tgt Ion:330 Resp: 758

Ion Ratio Lower Upper

330 100

332 96.8 76.2 114.4

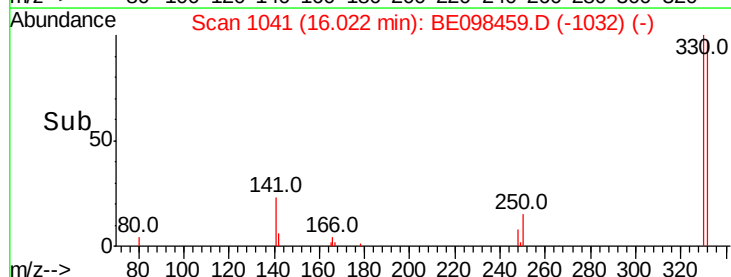
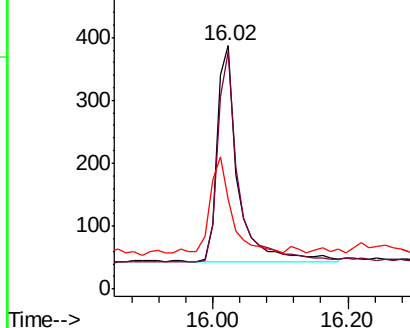
141 44.5 39.0 58.4

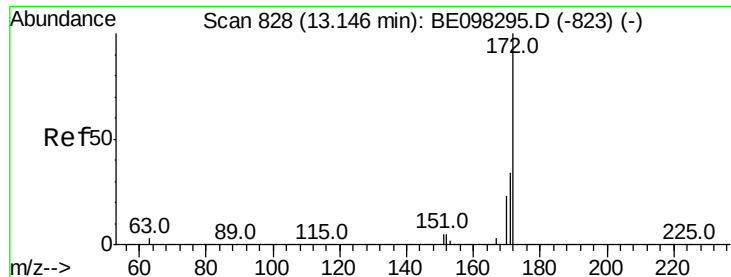


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

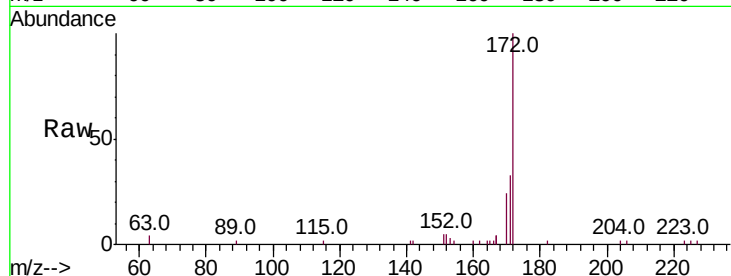




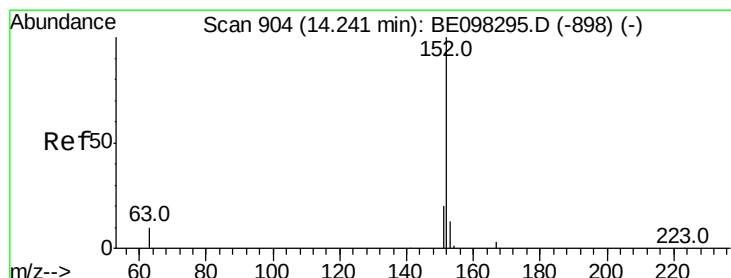
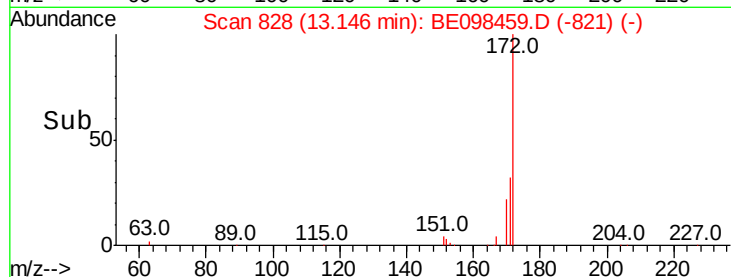
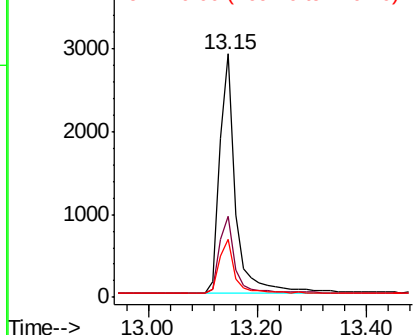
#15
2-Fluorobiphenyl
Concen: 80.002 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098459.D
Acq: 15 Dec 2018 6:46

Instrument :
BNA_E
ClientSampleId :
BP-FW-MW02-20181211

Tot Ion:172 Resp: 6074
Ion Ratio Lower Upper
172 100
171 33.1 27.5 41.3
170 23.6 19.6 29.4

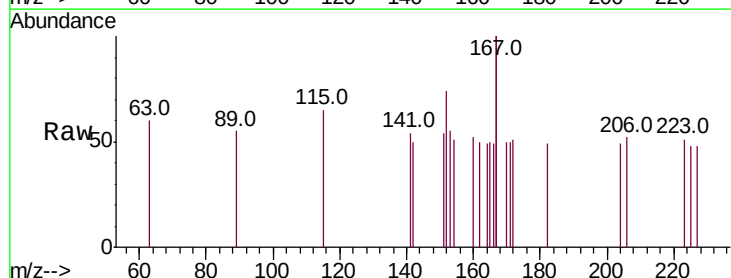


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

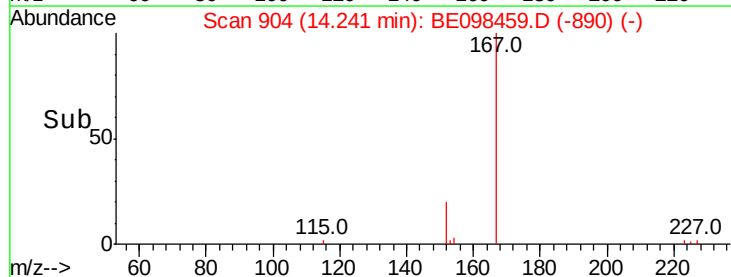
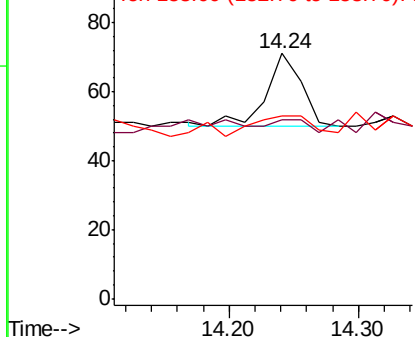


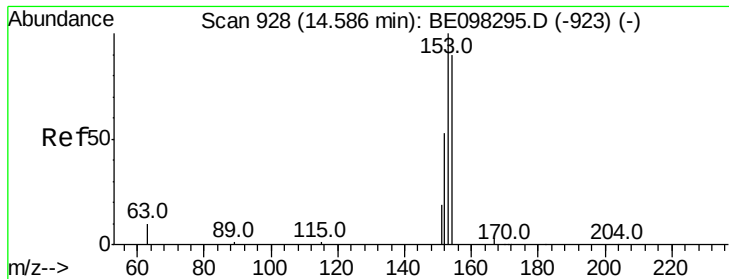
#16
Acenaphthylene
Concen: 0.474 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098459.D
Acq: 15 Dec 2018 6:46

Tgt Ion:152 Resp: 40
Ion Ratio Lower Upper
152 100
151 17.5 15.5 23.3
153 50.0 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: 0.316 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

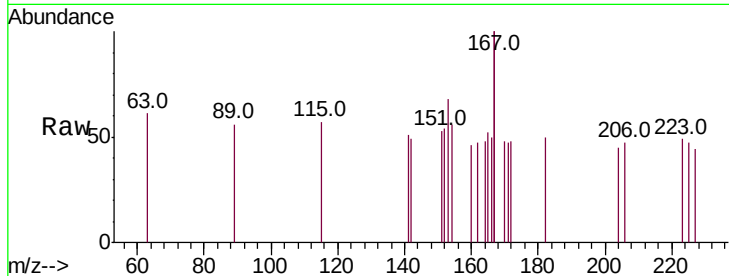
Tot Ion:154 Resp: 16

Ion Ratio Lower Upper

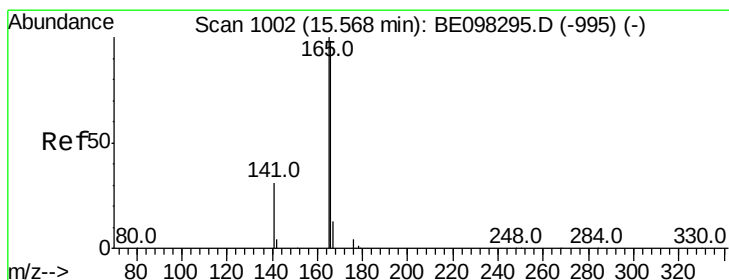
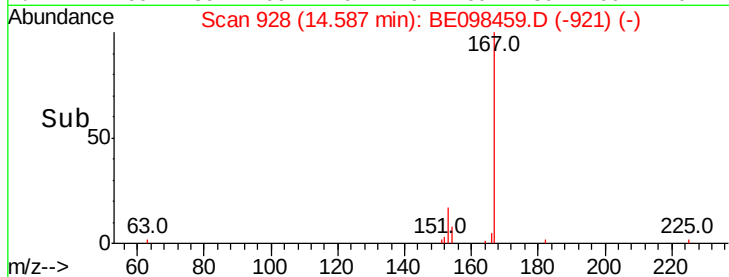
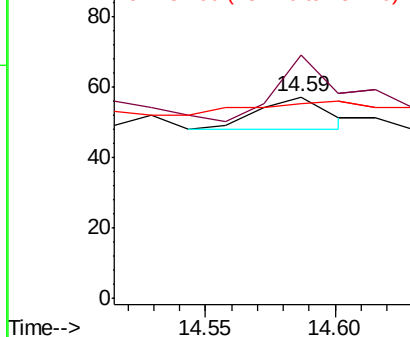
154 100

153 175.0 91.8 137.6#

152 0.0 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: 0.959 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

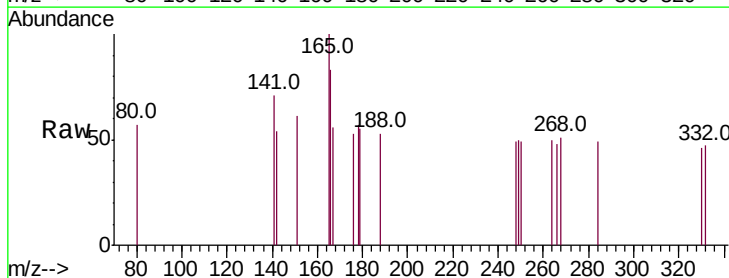
Tgt Ion:166 Resp: 65

Ion Ratio Lower Upper

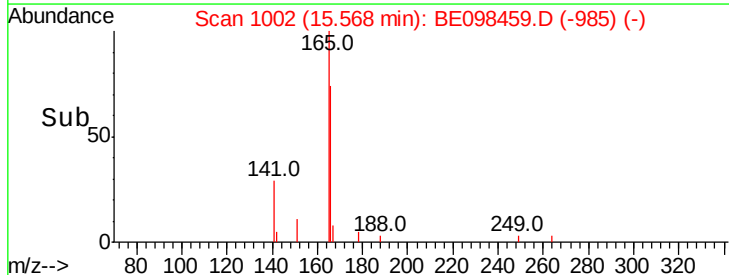
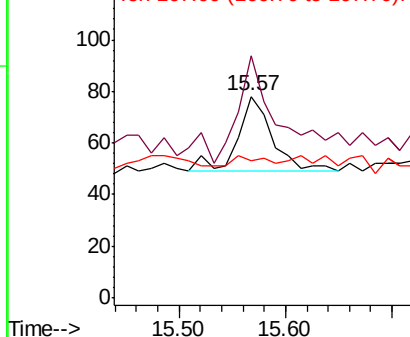
166 100

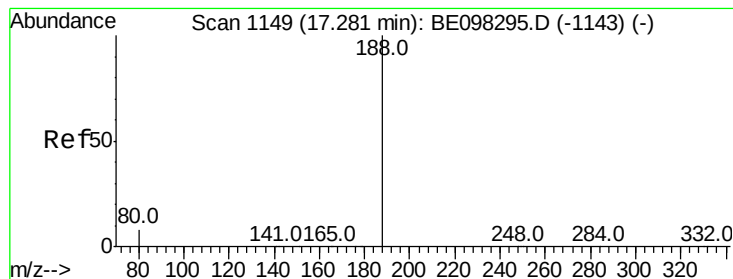
165 187.7 79.3 118.9#

167 12.3 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: 17.29 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

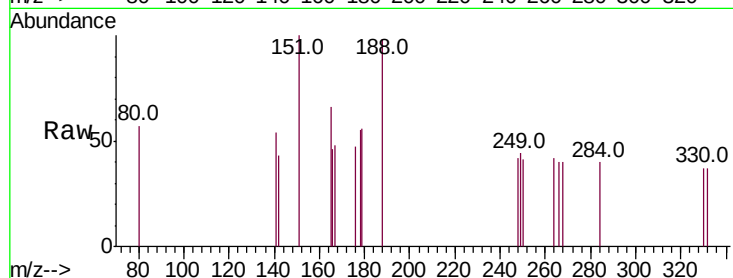
Tot Ion:188 Resp: 131

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 58.1 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

17.29

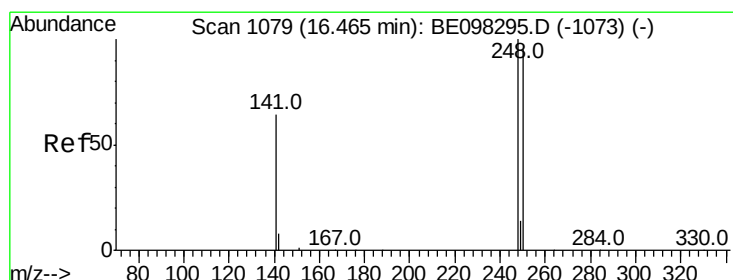
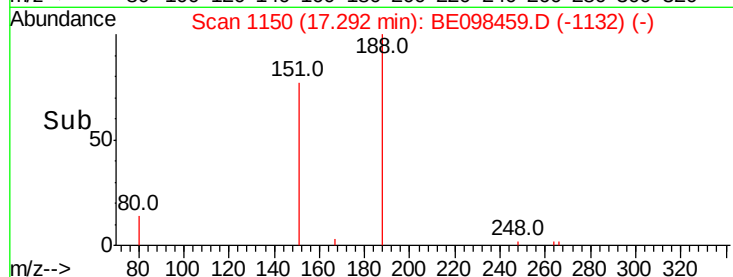
100

50

0

17.20 17.30

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.298 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

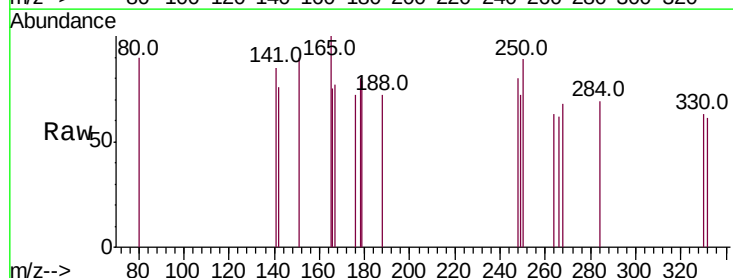
Tgt Ion:248 Resp: 21

Ion Ratio Lower Upper

248 100

250 110.5 71.0 106.6#

141 105.3 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

16.46

80

60

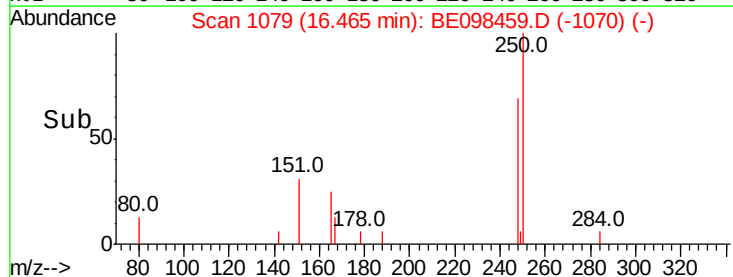
40

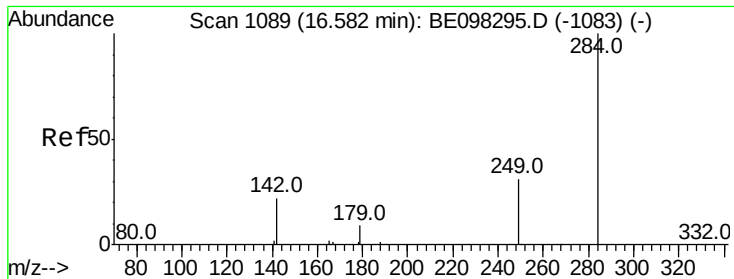
20

0

16.40 16.50

Time-->





#21

Hexachlorobenzene

Concen: 0.053 ng

RT: 16.63 min Scan# 1093

Delta R.T. 0.05 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

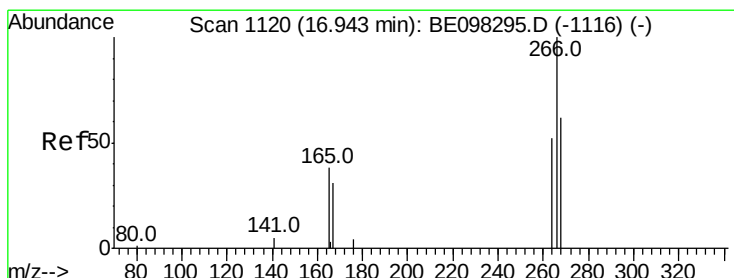
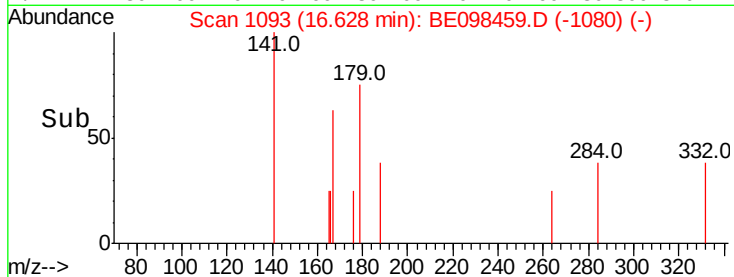
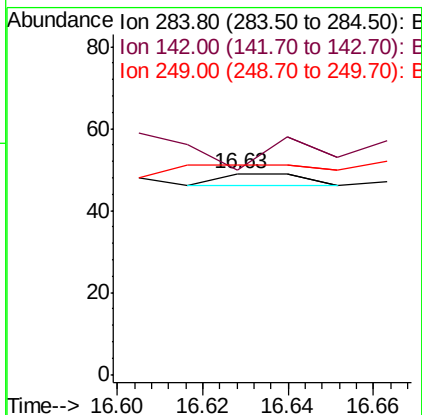
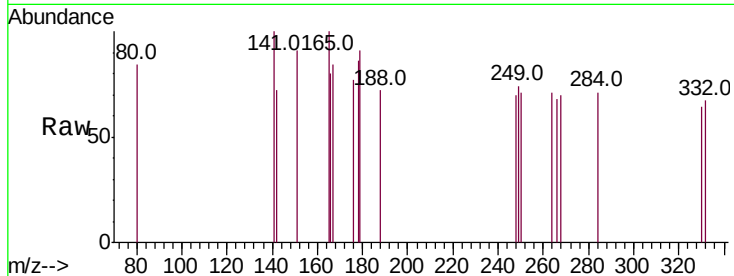
Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

Tot Ion:284	Resp:	4
Ion	Ratio	Lower Upper
284	100	
142	200.0	26.3 39.5#
249	0.0	26.0 39.0#



#22

Pentachlorophenol

Concen: 0.852 ng

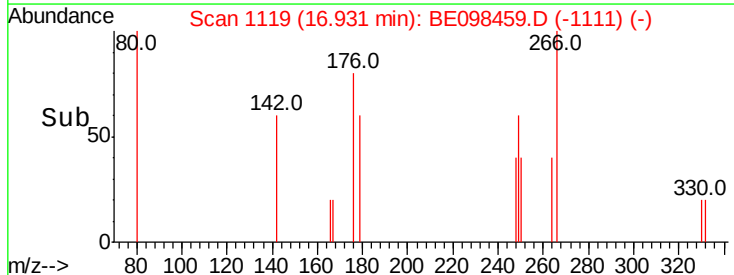
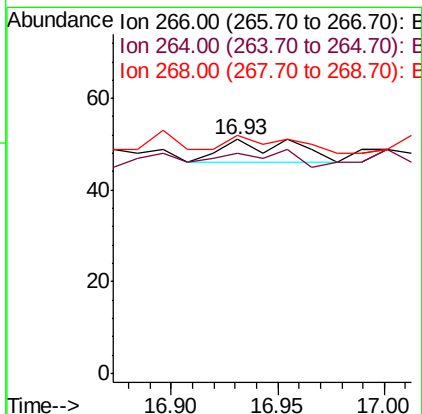
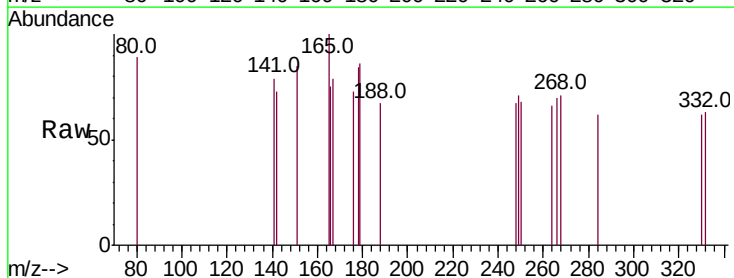
RT: 16.93 min Scan# 1119

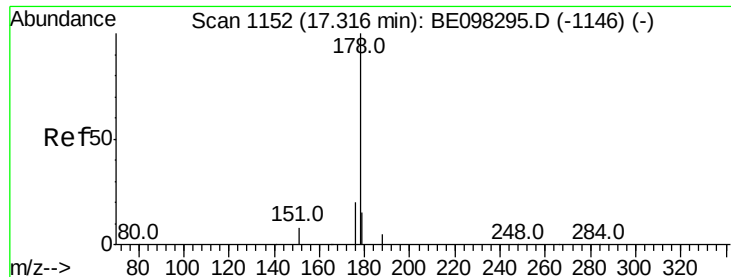
Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Tgt Ion:266	Resp:	12
Ion	Ratio	Lower Upper
266	100	
264	94.1	59.0 88.4#
268	102.0	55.1 82.7#





#23

Phenanthrene

Concen: 0.719 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

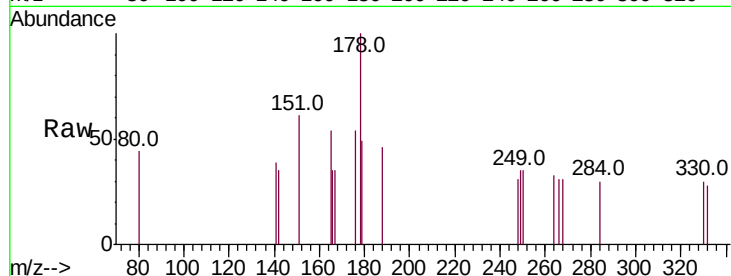
Tot Ion:178 Resp: 229

Ion Ratio Lower Upper

178 100

176 22.3 15.9 23.9

179 34.1 12.3 18.5#

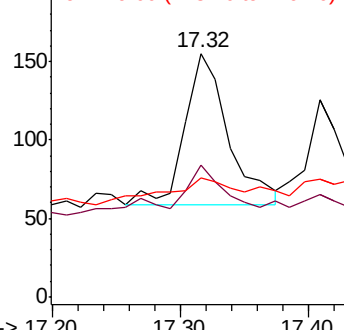


Abundance

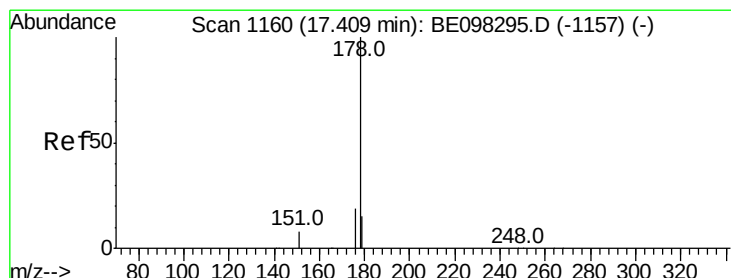
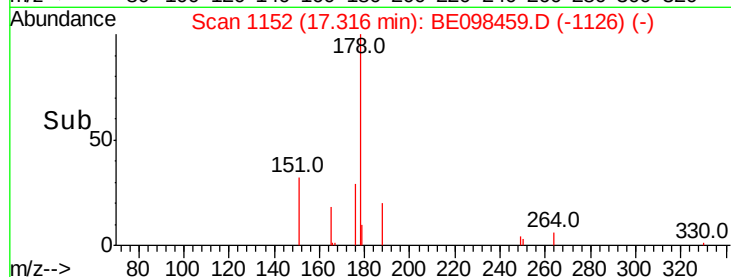
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40



#24

Anthracene

Concen: 0.423 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

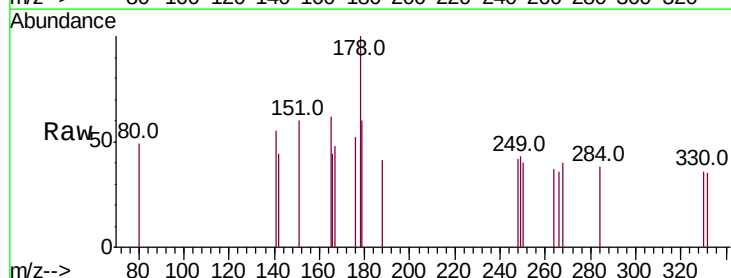
Tgt Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

176 11.7 15.0 22.4#

179 24.2 12.3 18.5#

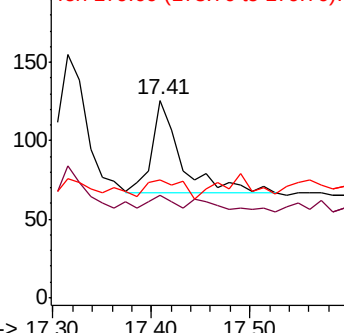


Abundance

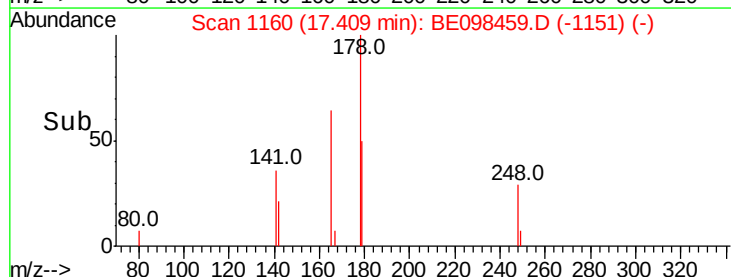
Ion 178.00 (177.70 to 178.70): E

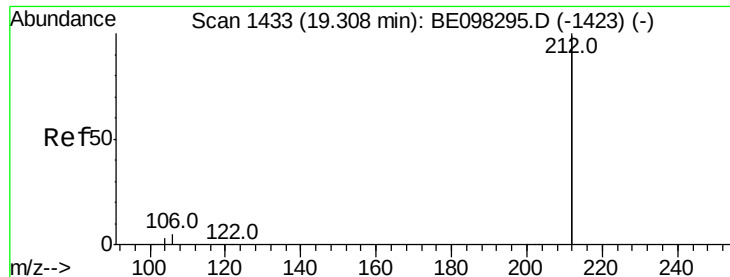
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.30 17.40 17.50





#25

Fluoranthene-d10

Concen: 23.849 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

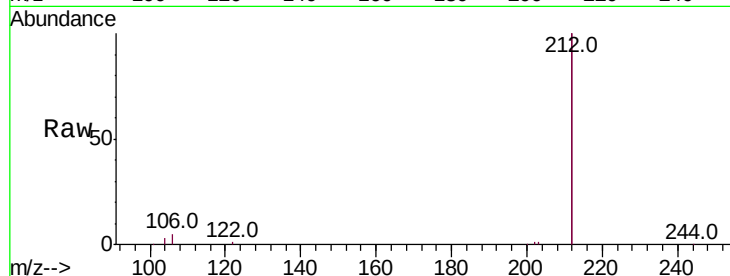
Tot Ion:212 Resp: 40079

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

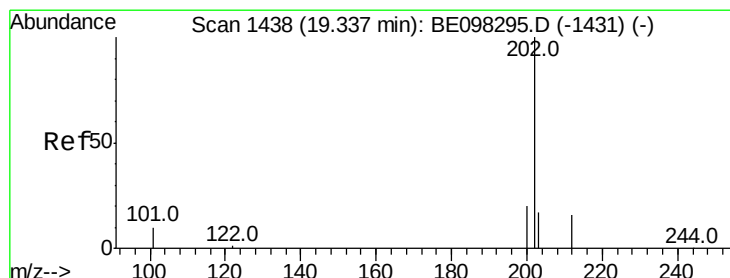
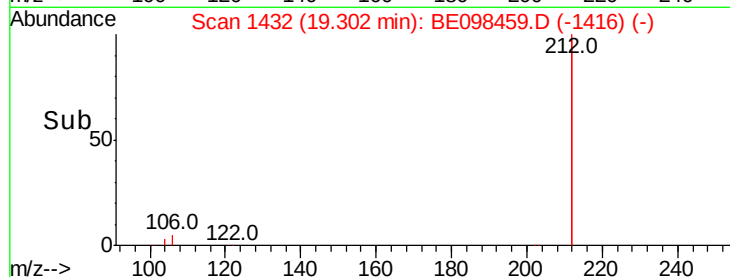
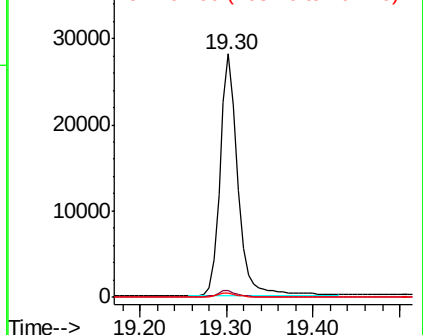
104 1.5 1.3 1.9



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: 0.446 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

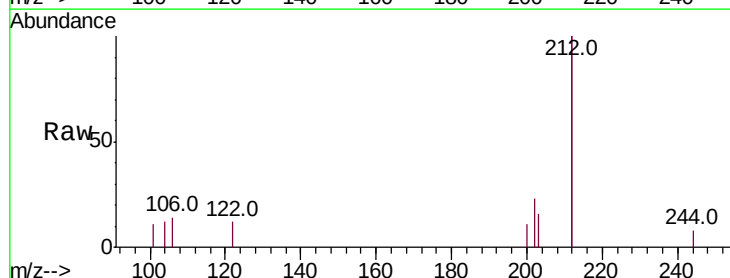
Tgt Ion:202 Resp: 188

Ion Ratio Lower Upper

202 100

101 12.2 8.0 12.0#

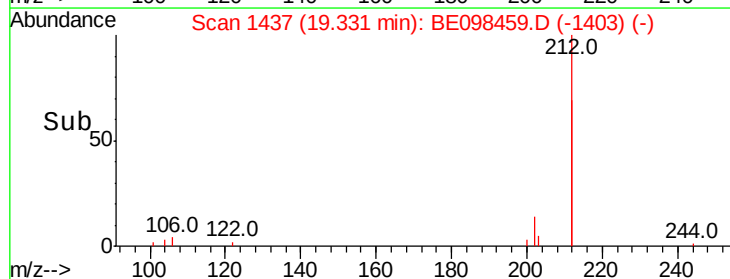
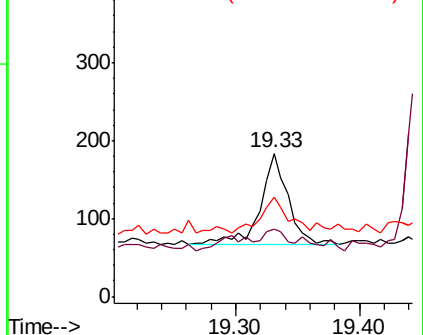
203 38.8 13.8 20.6#

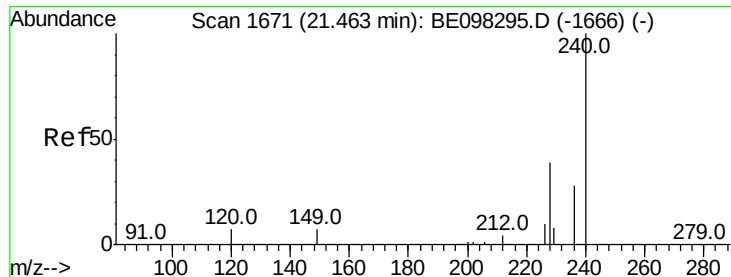


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

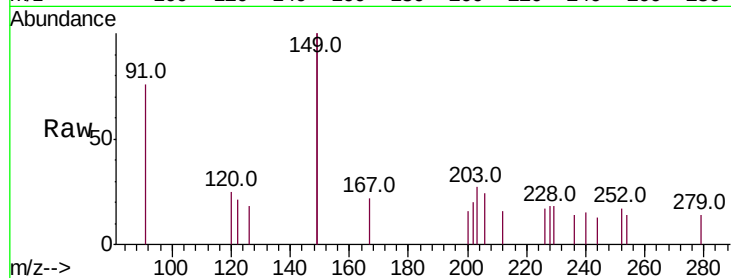
Tot Ion:240 Resp: 44

Ion Ratio Lower Upper

240 100

120 165.9 9.5 14.3#

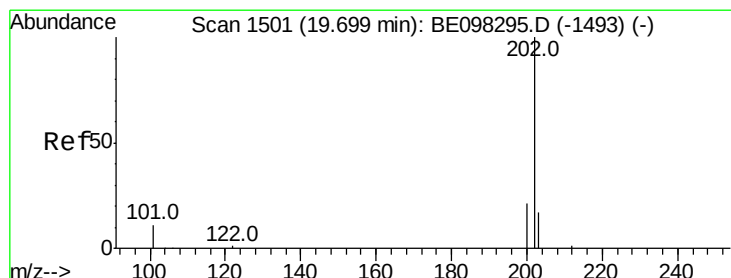
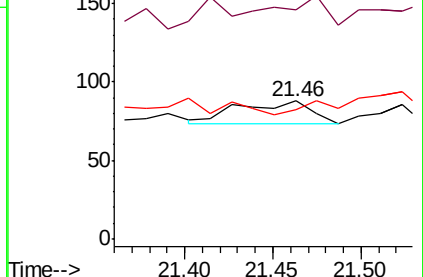
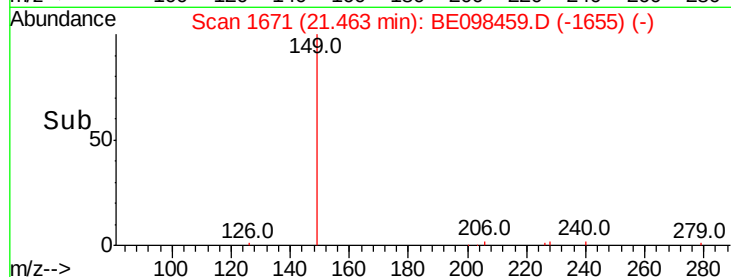
236 93.2 22.7 34.1#



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: 1.202 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

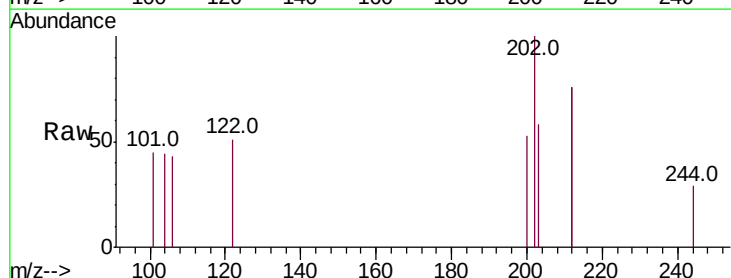
Tgt Ion:202 Resp: 166

Ion Ratio Lower Upper

202 100

200 35.5 16.7 25.1#

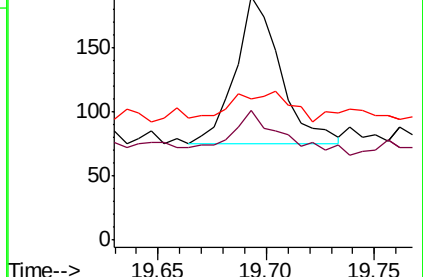
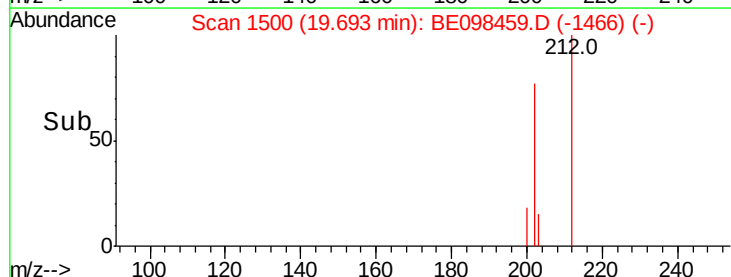
203 25.3 14.1 21.1#

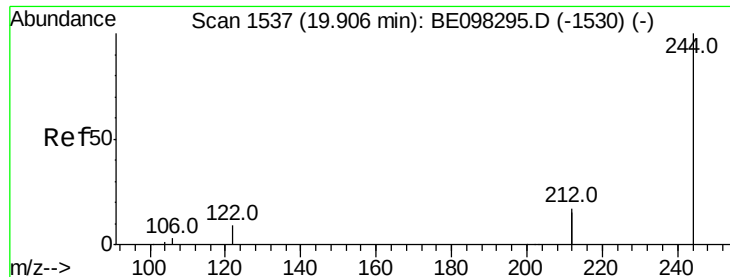


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 95.750 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

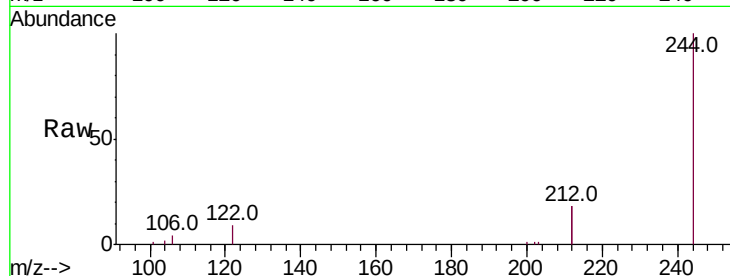
Tot Ion:244 Resp: 10238

Ion Ratio Lower Upper

244 100

212 36.8 27.4 41.0

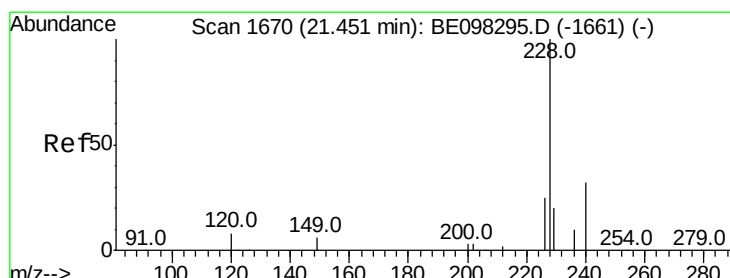
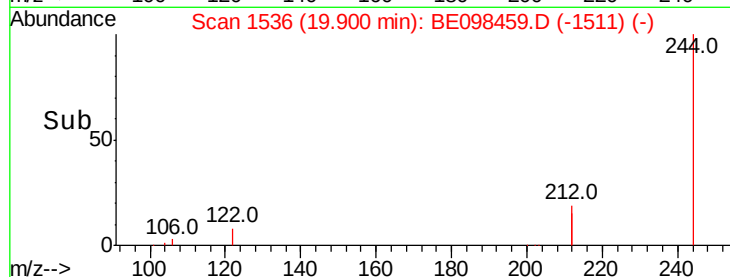
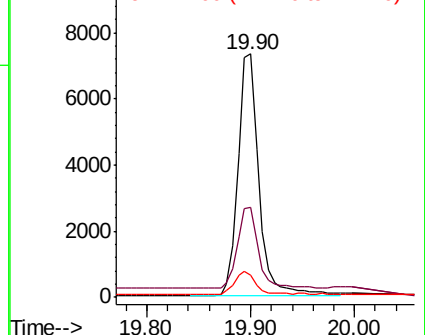
122 9.0 8.3 12.5



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: 1.389 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

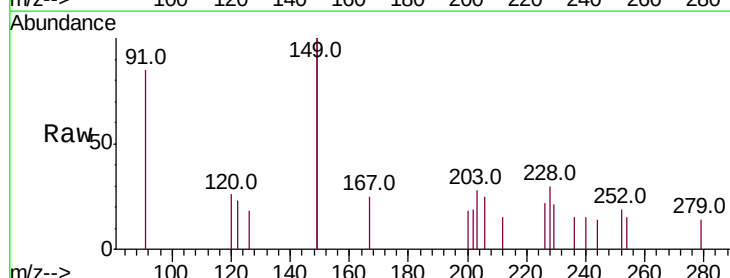
Tgt Ion:228 Resp: 174

Ion Ratio Lower Upper

228 100

226 71.9 21.8 32.8#

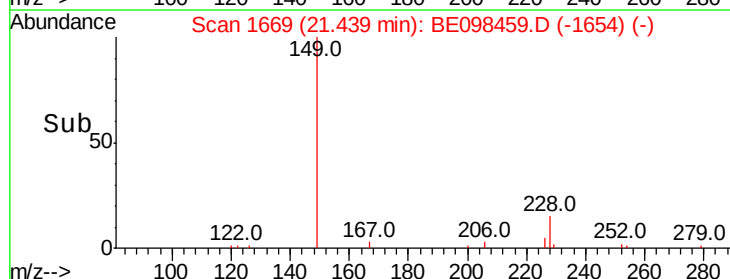
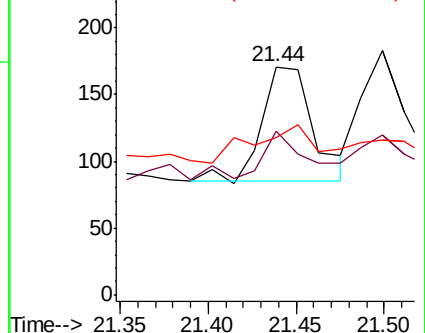
229 69.0 16.3 24.5#

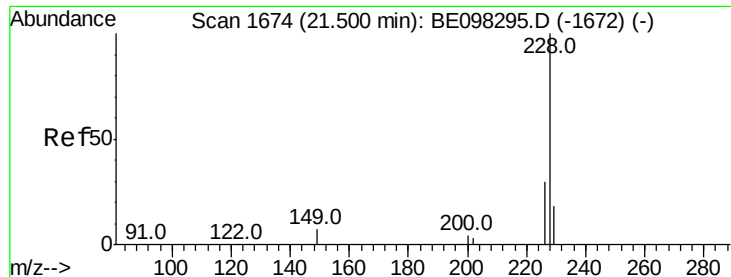


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.463 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

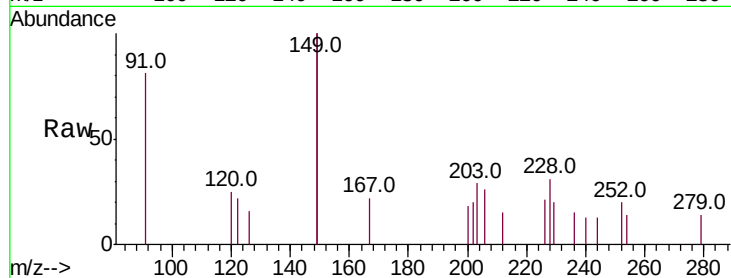
Tot Ion:228 Resp: 192

Ion Ratio Lower Upper

228 100

226 65.6 23.4 35.0#

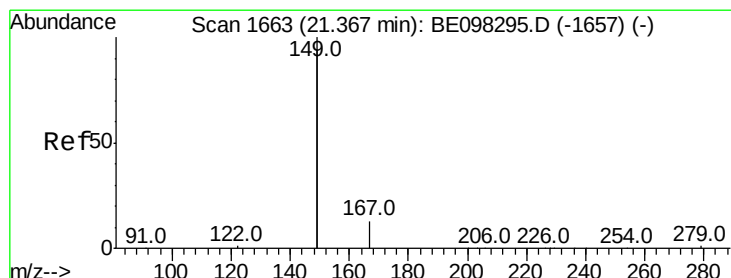
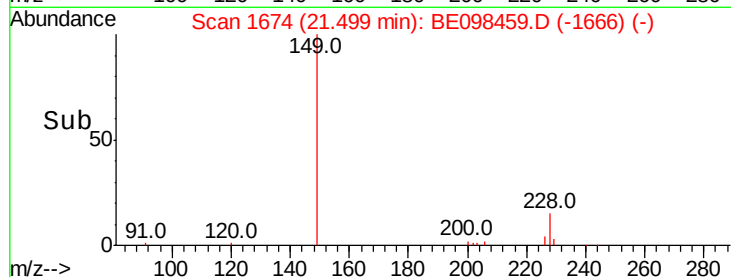
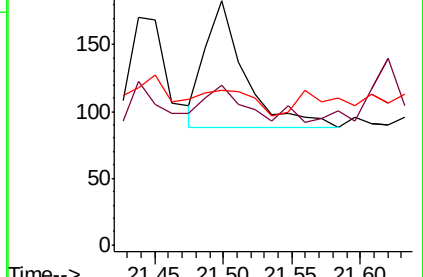
229 63.4 16.2 24.4#



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: 18.190 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

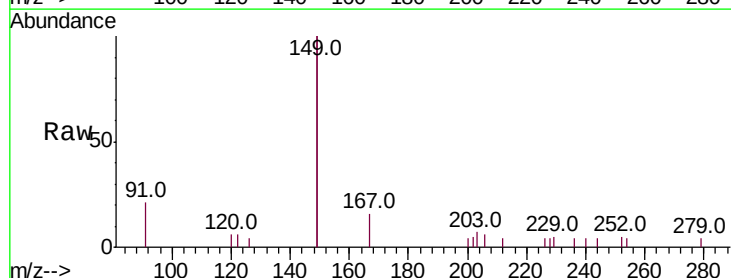
Tgt Ion:149 Resp: 4629

Ion Ratio Lower Upper

149 100

167 8.1 5.7 8.5

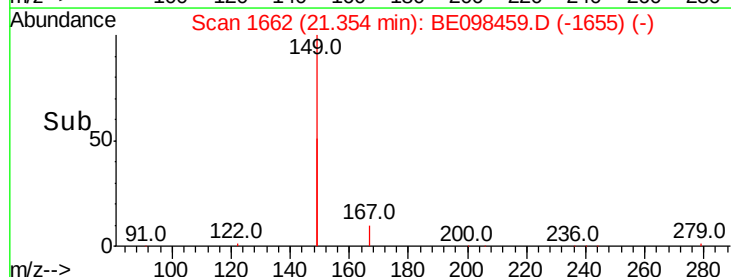
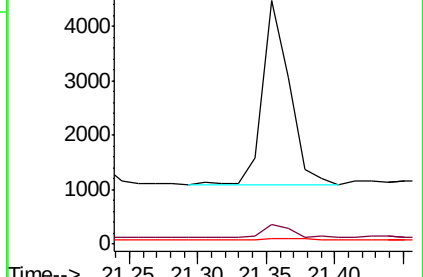
279 1.7 1.0 1.4#

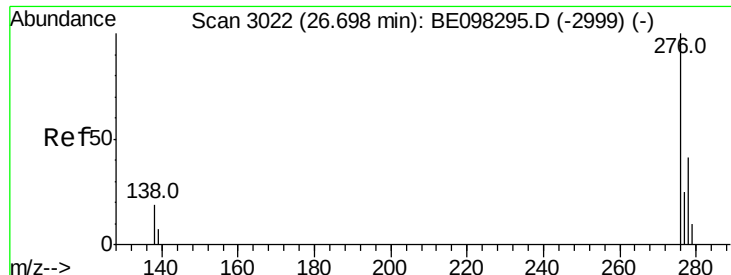


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.704 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

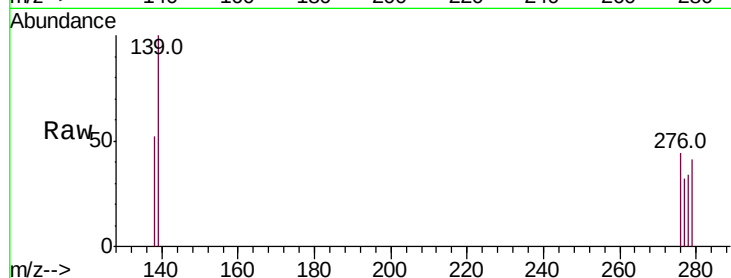
Tot Ion:276 Resp: 92

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

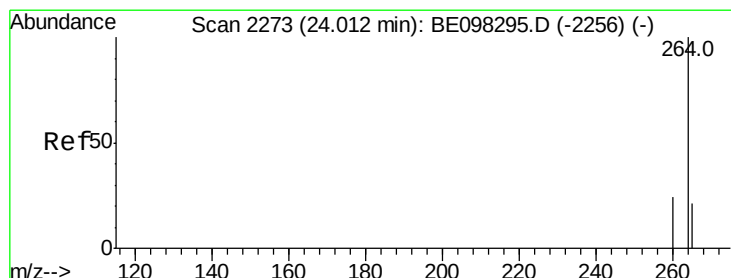
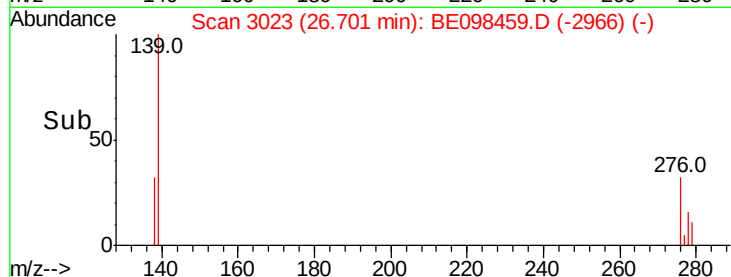
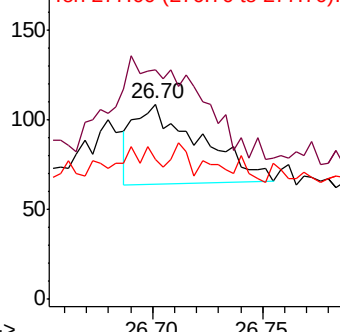
277 9.8 20.2 30.4#



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: BE098459.D

Acq: 15 Dec 2018 6:46

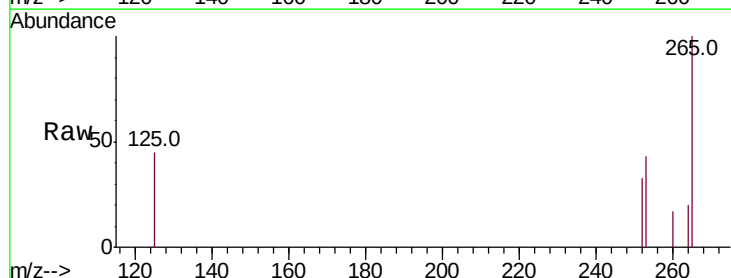
Tgt Ion:264 Resp: 7

Ion Ratio Lower Upper

264 100

260 87.2 20.2 30.2#

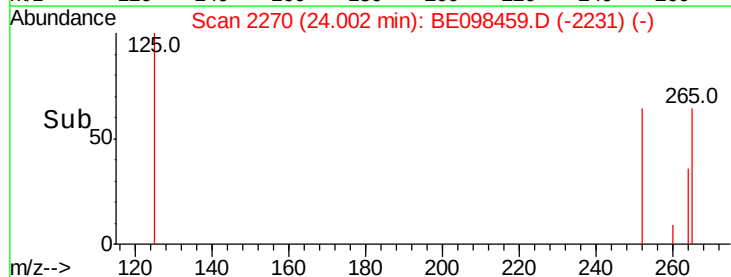
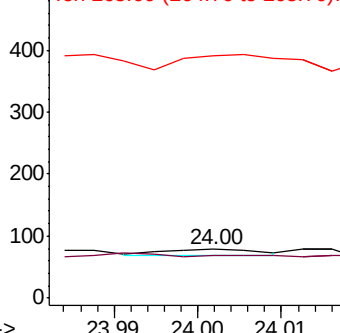
265 501.3 25.2 37.8#

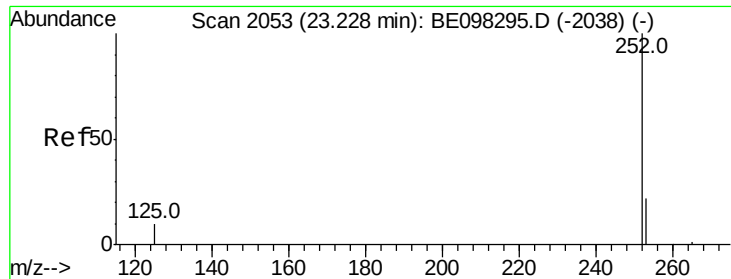


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

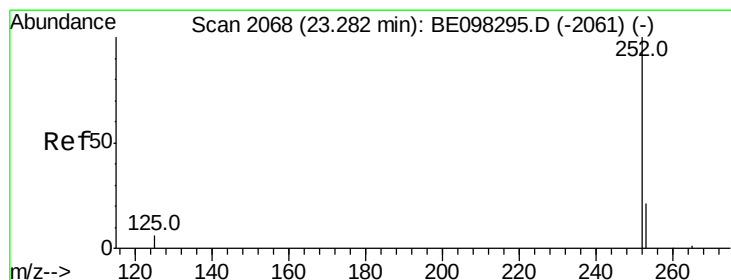
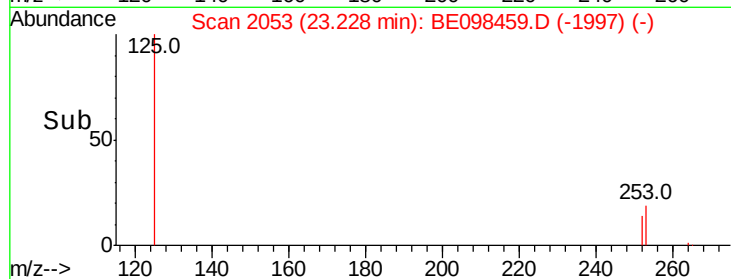
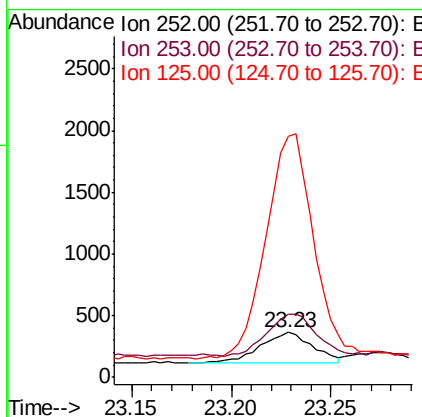
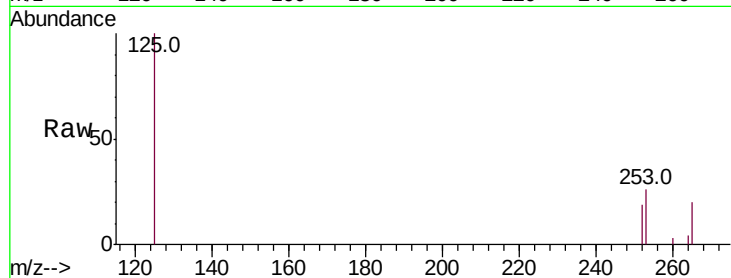




#35
Benzo(b)fluoranthene
Concen: 24.604 ng
RT: 23.23 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BE098459.D
Acq: 15 Dec 2018 6:46

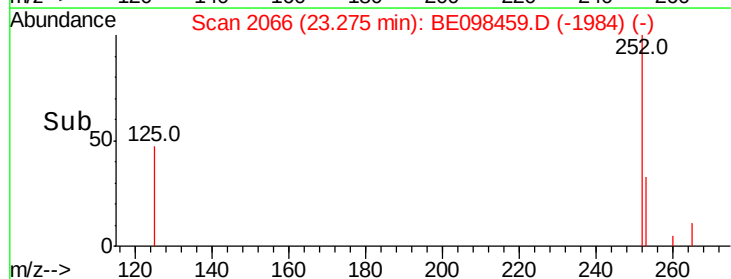
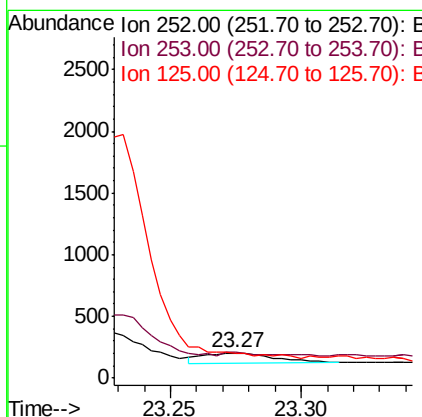
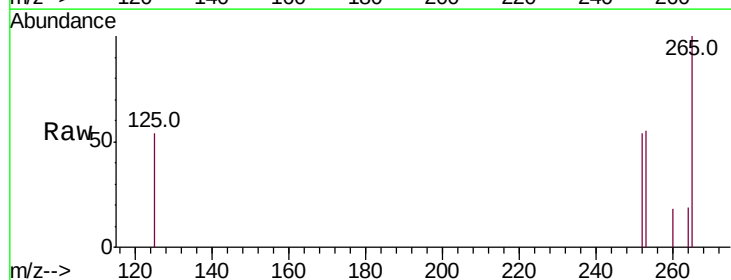
Instrument :
BNA_E
ClientSampleId :
BP-FW-MW02-20181211

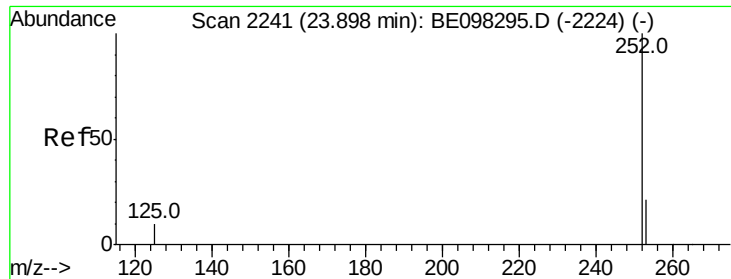
Tot Ion:252 Resp: 471
Ion Ratio Lower Upper
252 100
253 139.5 20.0 30.0#
125 536.4 9.6 14.4#



#36
Benzo(k)fluoranthene
Concen: 6.547 ng
RT: 23.27 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BE098459.D
Acq: 15 Dec 2018 6:46

Tgt Ion:252 Resp: 146
Ion Ratio Lower Upper
252 100
253 102.4 19.0 28.6#
125 100.0 9.1 13.7#





#37

Benzo(a)pyrene

Concen: 22.884 ng

RT: 23.91 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211

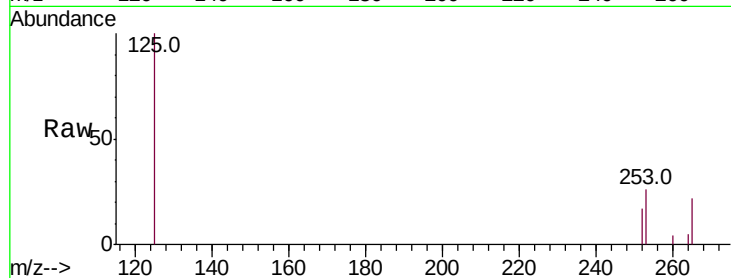
Tot Ion:252 Resp: 452

Ion Ratio Lower Upper

252 100

253 157.3 20.6 30.8#

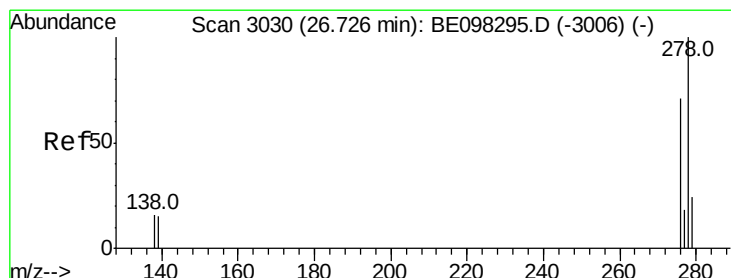
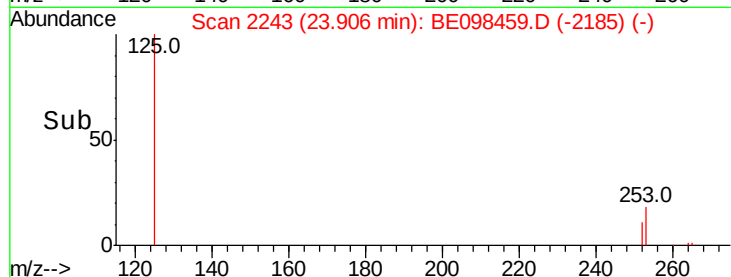
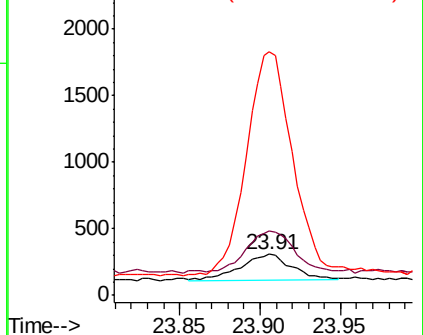
125 595.8 10.5 15.7#



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: 1.935 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.01 min

Lab File: BE098459.D

Acq: 15 Dec 2018 6:46

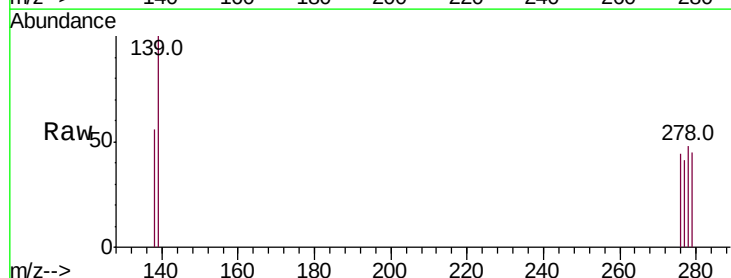
Tgt Ion:278 Resp: 36

Ion Ratio Lower Upper

278 100

139 206.8 14.5 21.7#

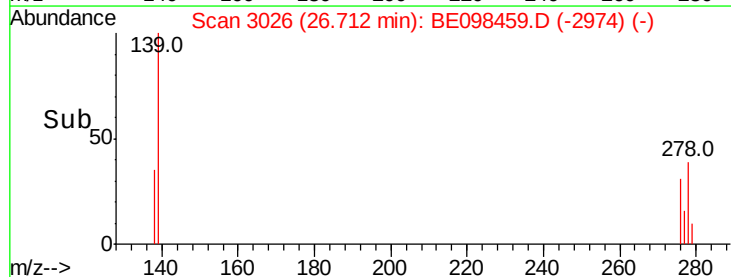
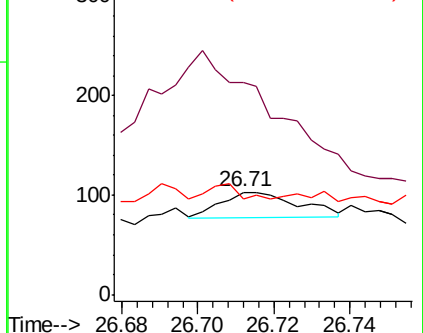
279 93.2 21.8 32.8#

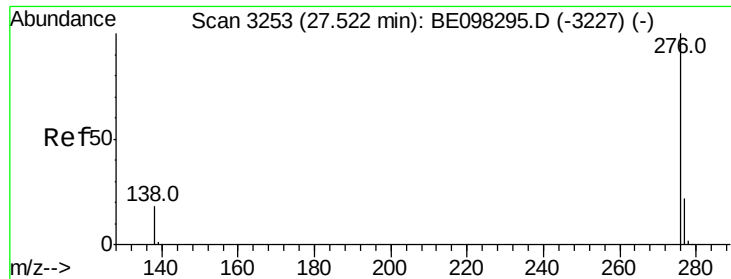


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.334 ng

RT: 27.51 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BE098459.D

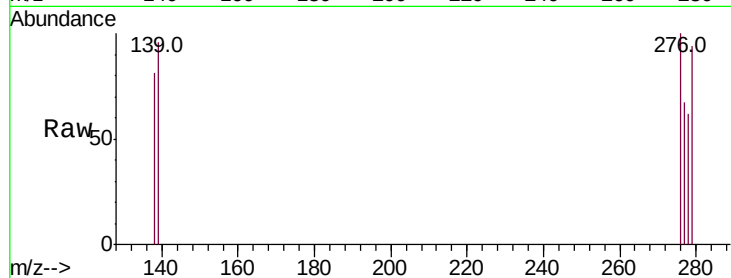
Acq: 15 Dec 2018 6:46

Instrument :

BNA_E

ClientSampleId :

BP-FW-MW02-20181211



Tot Ion:276 Resp: 100

Ion Ratio Lower Upper

276 100

277 66.7 20.8 31.2#

138 81.4 15.8 23.6#

