

Data File : BE098492.D
Acq On : 16 Dec 2018 4:55
Operator : SJ/JU
Sample : J6398-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PR-MW-02_121218

Quant Time: Dec 17 02:02:44 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	811	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3280	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	3221	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5695	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	6963	0.40	ng	-0.01
34) Perylene-d12	23.99	264	6764	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	377	0.20	ng	0.00
5) Phenol-d6	7.03	99	285	0.11	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1153	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2395	0.45	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	510	0.43	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	3948	0.29	ng	-0.01
25) Fluoranthene-d10	19.30	212	34748	0.48	ng	0.00
29) Terphenyl-d14	19.89	244	7668	0.45	ng	-0.01

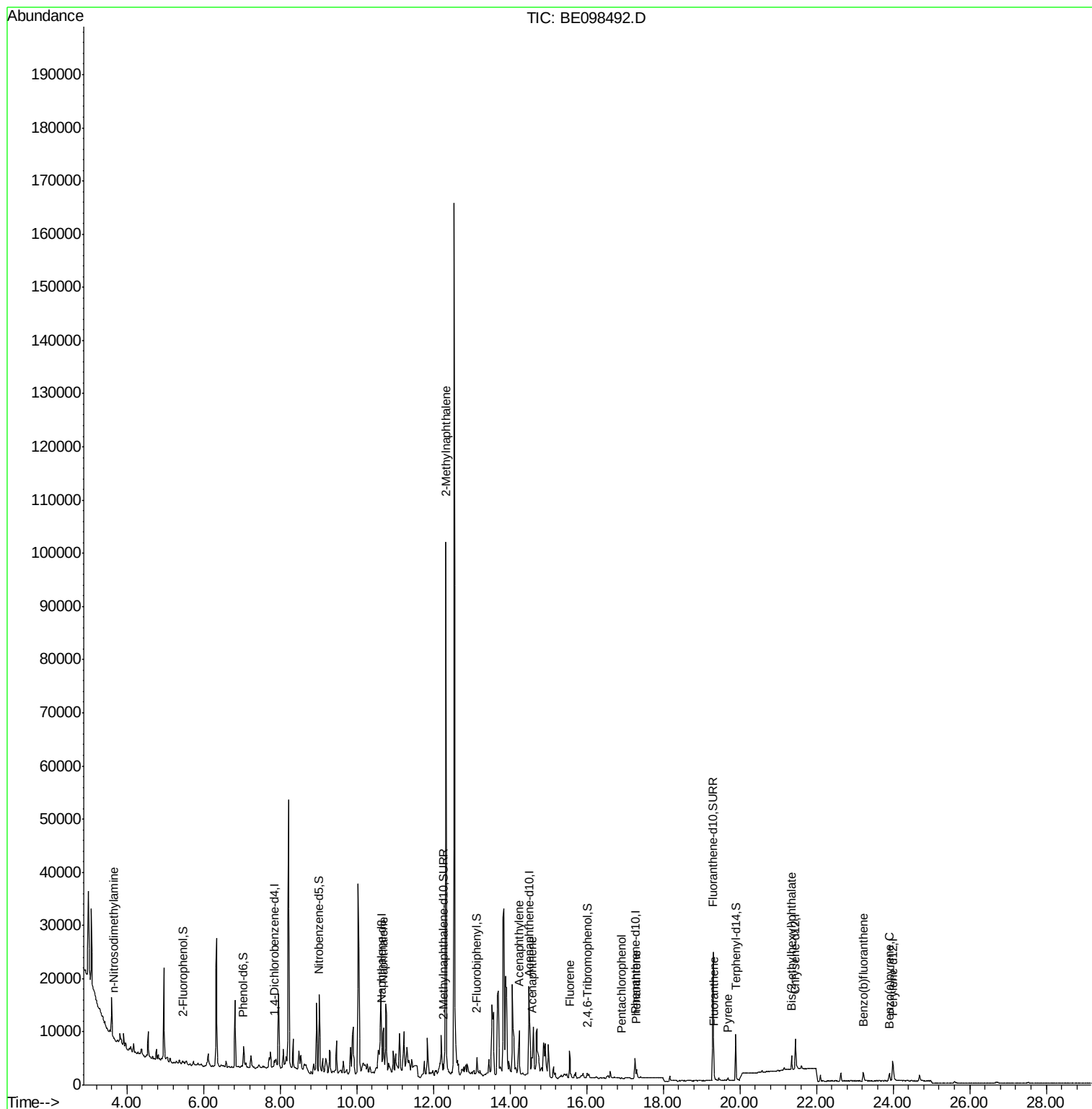
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.67	42	155	0.123	ng	# 100
9) Naphthalene	10.71	128	9546	0.289	ng	# 61
12) 2-Methylnaphthalene	12.32	142	64398	12.008	ng	97
16) Acenaphthylene	14.24	152	1000	0.066	ng	# 1
17) Acenaphthene	14.59	154	1323	0.146	ng	# 45
18) Fluorene	15.56	166	3732	0.308	ng	# 93
22) Pentachlorophenol	16.91	266	30	0.076	ng	# 80
23) Phenanthrene	17.30	178	1763	0.127	ng	# 95
26) Fluoranthene	19.33	202	602	0.033	ng	# 97
28) Pyrene	19.69	202	579	0.027	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.35	149	3122	0.078	ng	# 99
35) Benzo(b)fluoranthene	23.23	252	473	0.026	ng	# 1
37) Benzo(a)pyrene	23.89	252	400	0.021	ng	# 1

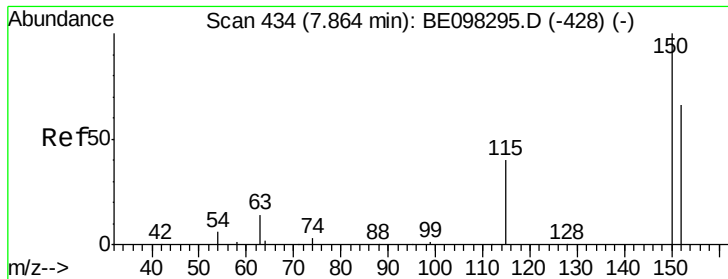
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

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Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

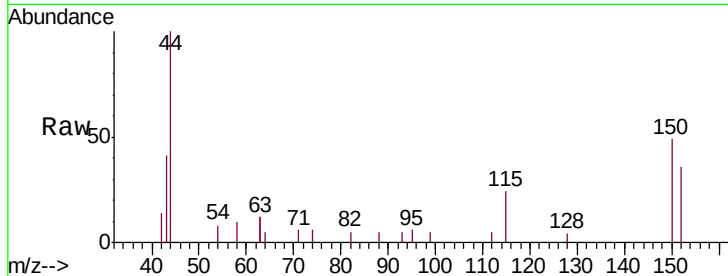
Tgt Ion:152 Resp: 811

Ion Ratio Lower Upper

152 100

150 136.8 124.2 186.4

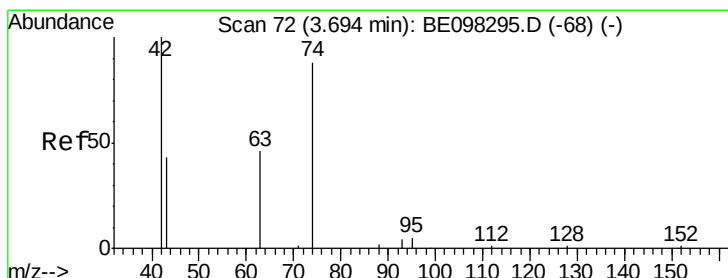
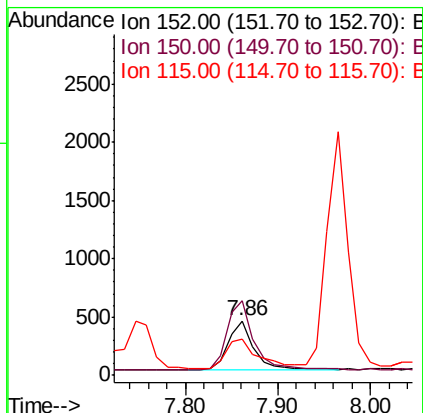
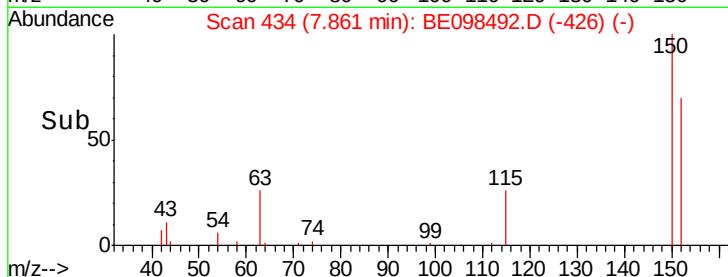
115 65.4 53.9 80.9



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



#3

n-Nitrosodimethylamine

Concen: 0.123 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

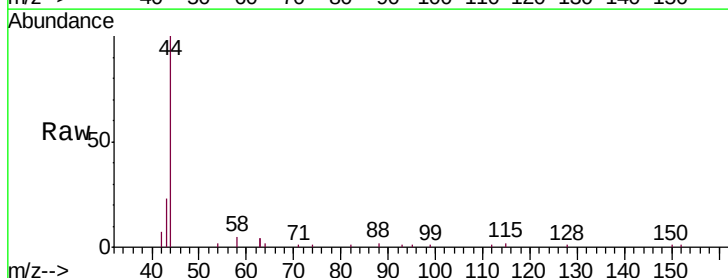
Tgt Ion: 42 Resp: 155

Ion Ratio Lower Upper

42 100

74 12.9 0.0 0.0#

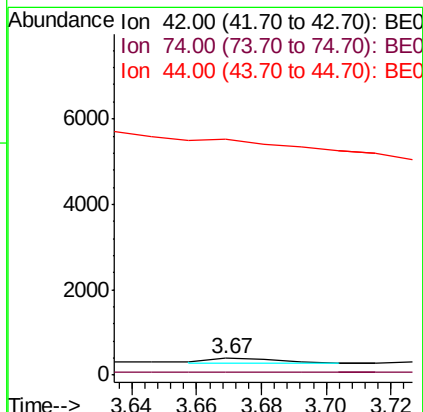
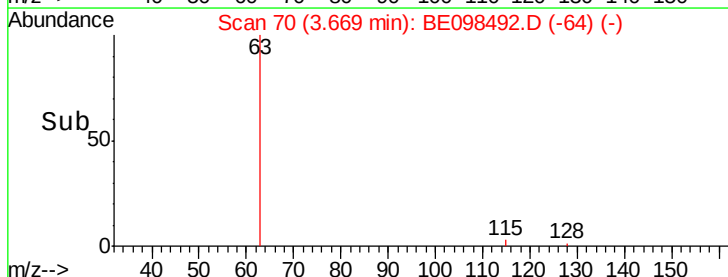
44 0.0 0.0 0.0

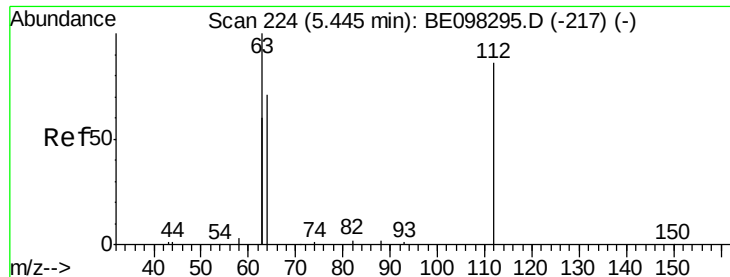


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.199 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

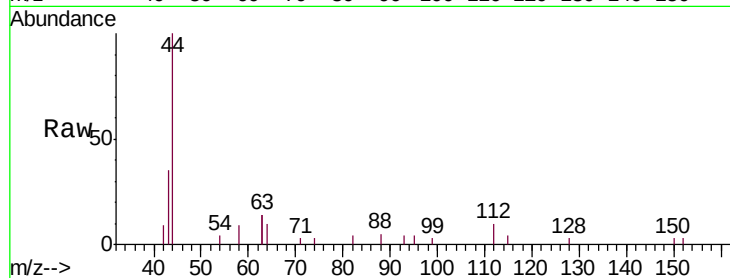
Tgt Ion: 112 Resp: 377

Ion Ratio Lower Upper

112 100

64 84.9 59.8 89.8

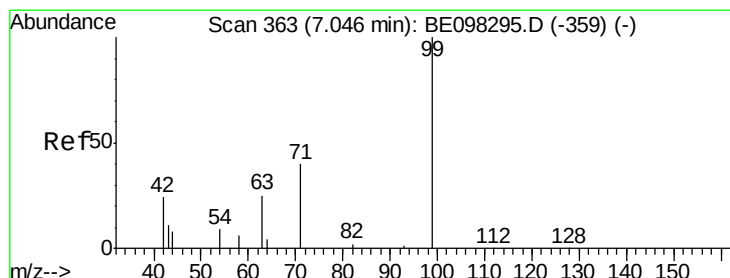
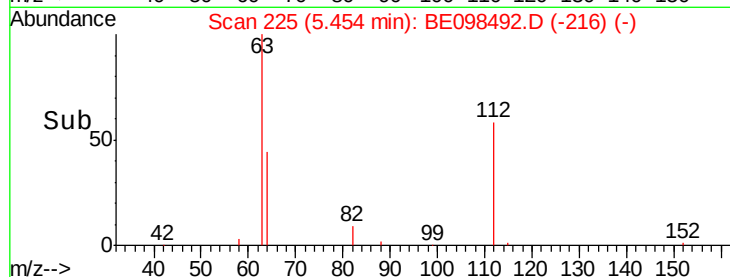
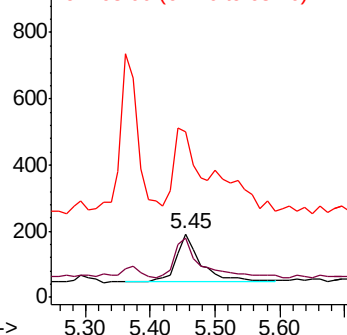
63 145.1 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.106 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

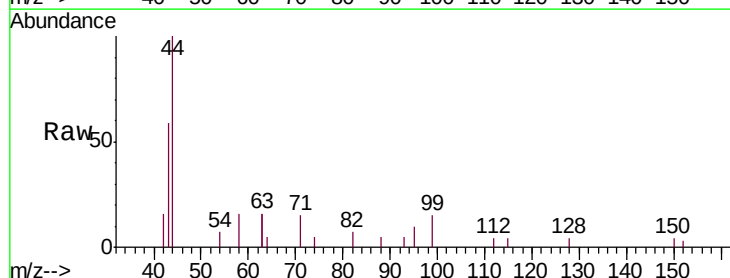
Tgt Ion: 99 Resp: 285

Ion Ratio Lower Upper

99 100

42 92.6 26.3 39.5#

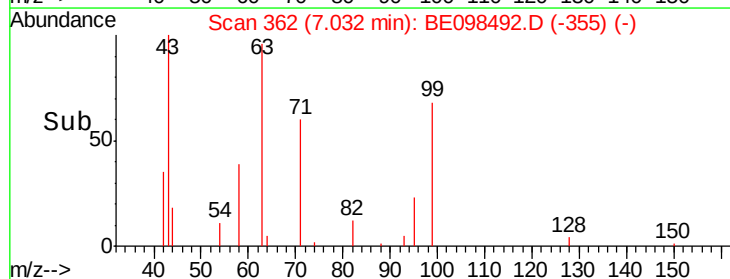
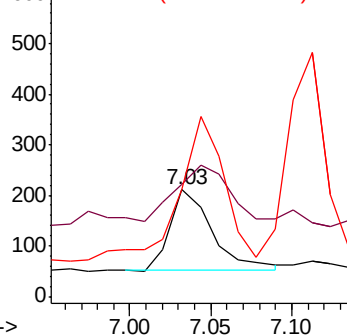
71 196.5 33.6 50.4#

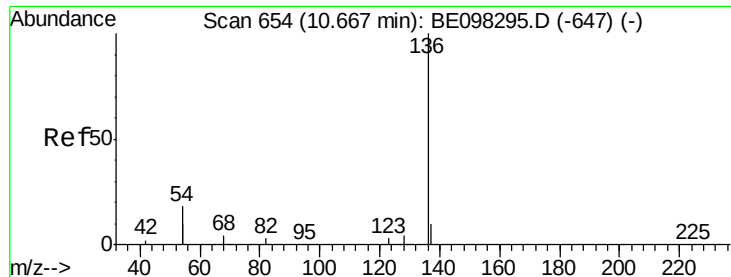


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

Tgt Ion: 136 Resp: 3280

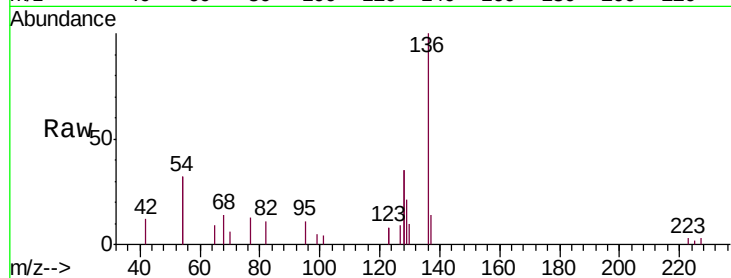
Ion Ratio Lower Upper

136 100

137 13.7 9.2 13.8

54 64.3 28.4 42.6#

68 13.7 5.4 8.0#

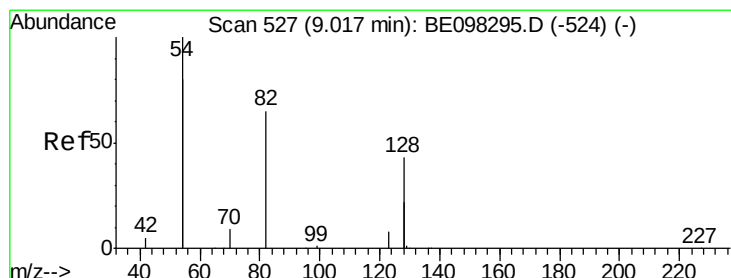
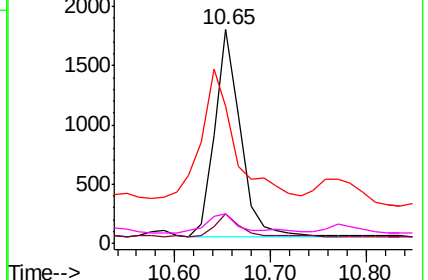
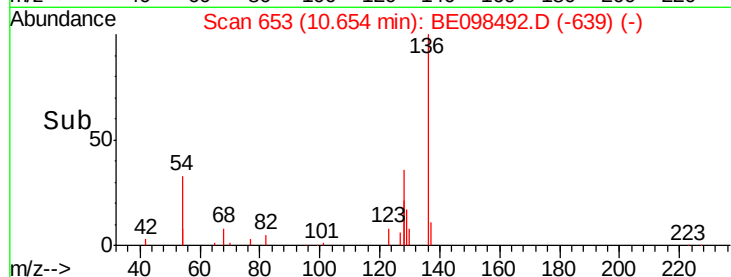


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.386 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

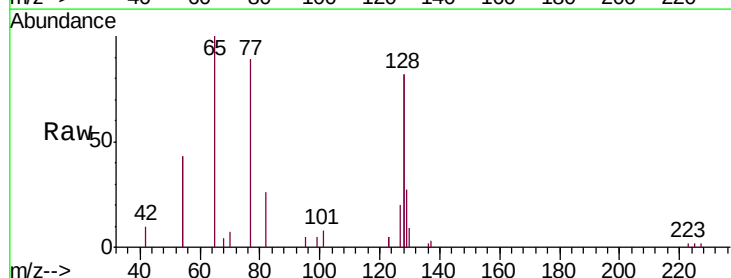
Tgt Ion: 82 Resp: 1153

Ion Ratio Lower Upper

82 100

128 626.8 102.4 153.6#

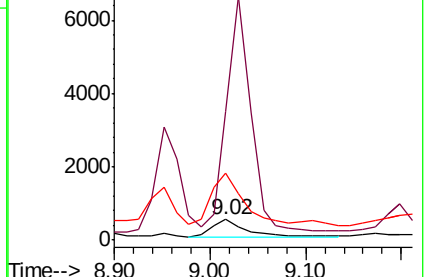
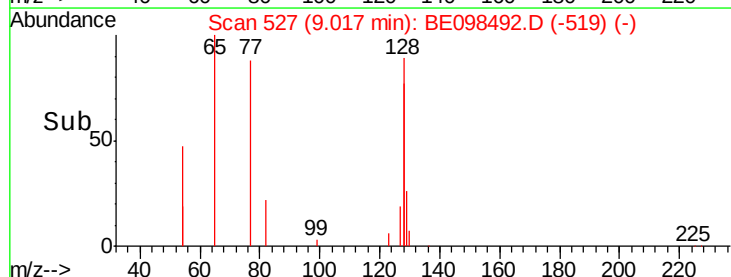
54 328.9 221.8 332.8

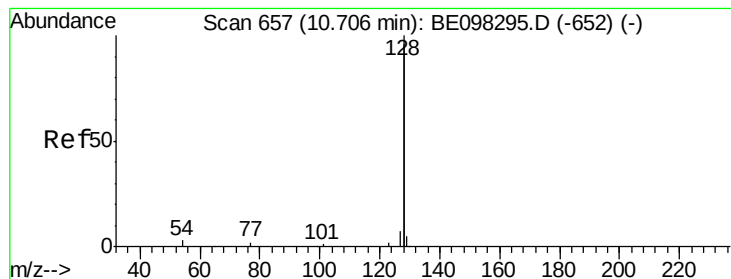


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.289 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

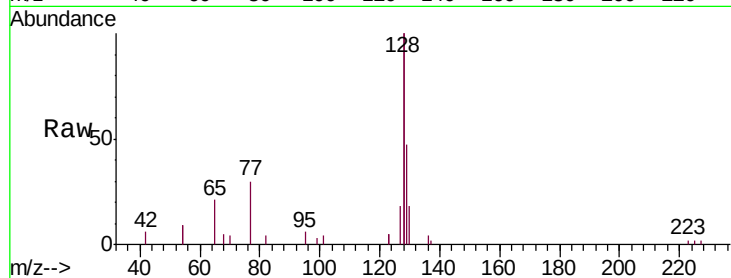
Tgt Ion:128 Resp: 9546

Ion Ratio Lower Upper

128 100

129 23.6 2.5 3.7#

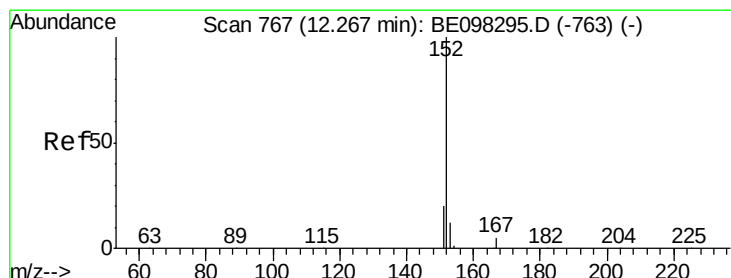
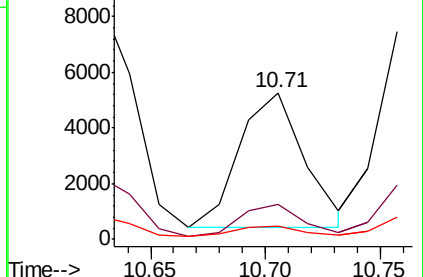
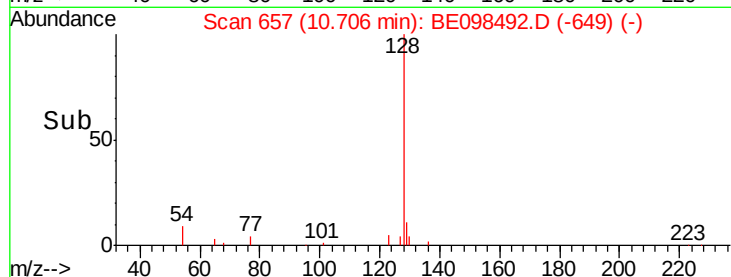
127 9.1 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.449 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098492.D

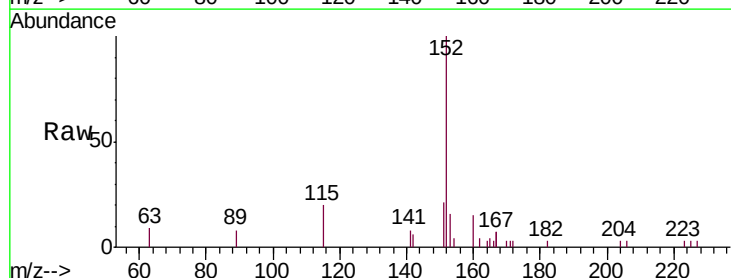
Acq: 16 Dec 2018 4:55

Tgt Ion:152 Resp: 2395

Ion Ratio Lower Upper

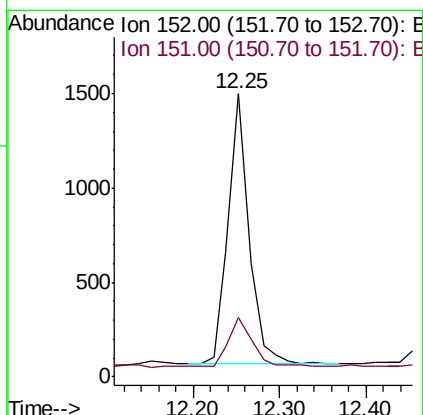
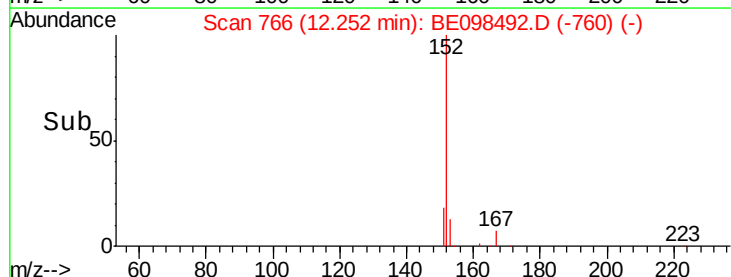
152 100

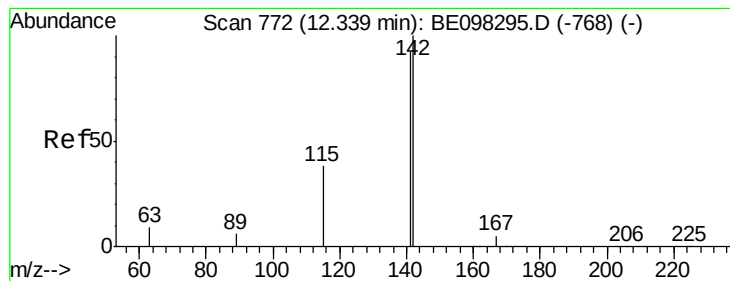
151 20.8 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 12.008 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

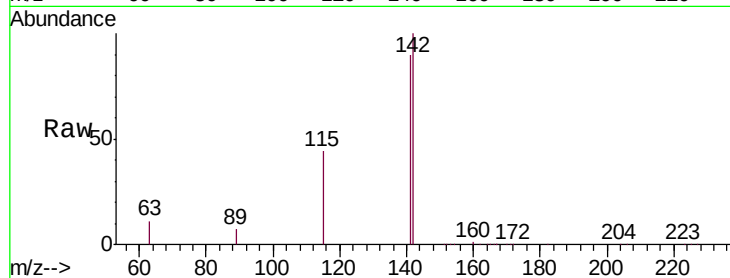
Tgt Ion:142 Resp: 64398

Ion Ratio Lower Upper

142 100

141 90.4 71.0 106.6

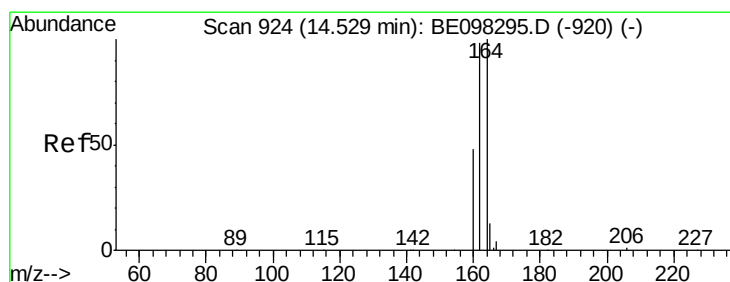
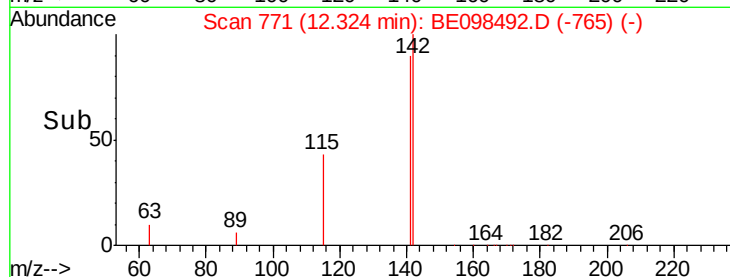
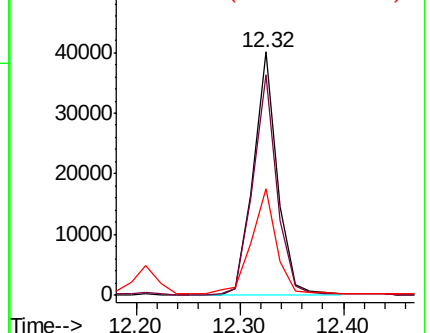
115 43.6 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

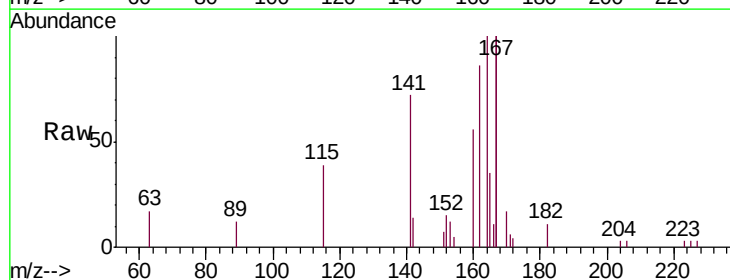
Tgt Ion:164 Resp: 3221

Ion Ratio Lower Upper

164 100

162 86.1 77.6 116.4

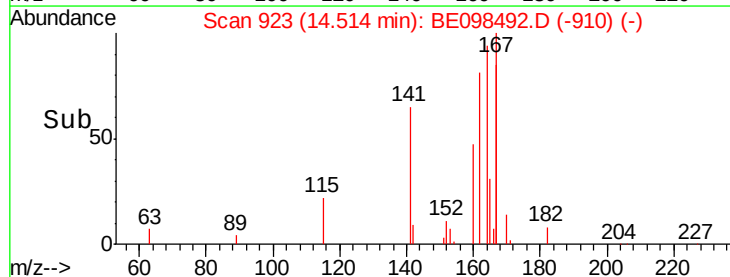
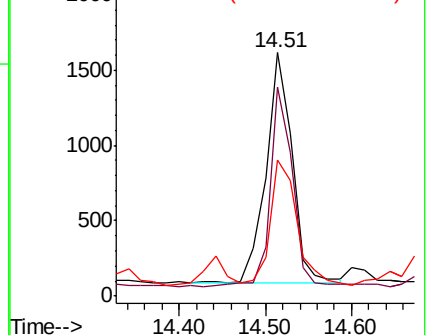
160 55.9 36.0 54.0#

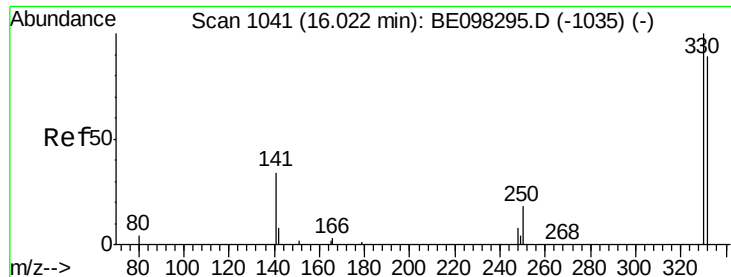


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

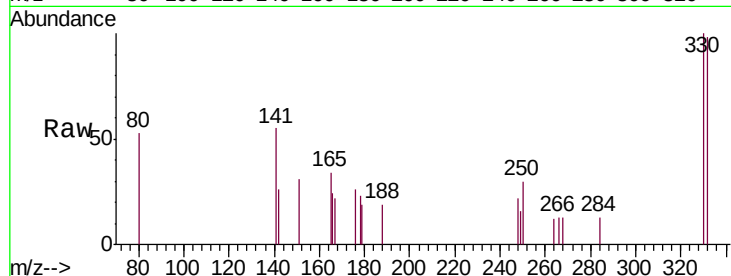




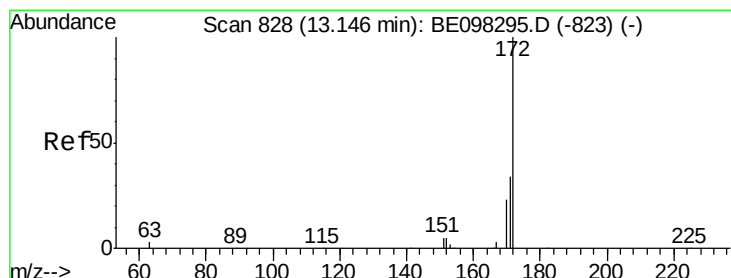
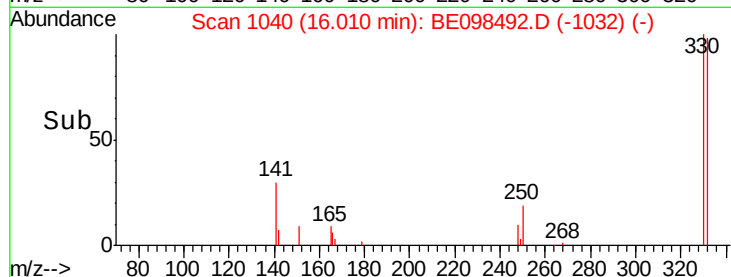
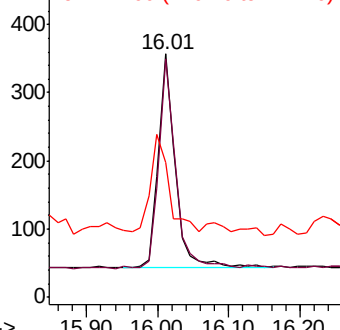
#14
 2,4,6-Tribromophenol
 Concen: 0.431 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098492.D
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Tgt Ion: 330 Resp: 510
 Ion Ratio Lower Upper
 330 100
 332 101.0 76.2 114.4
 141 49.0 39.0 58.4

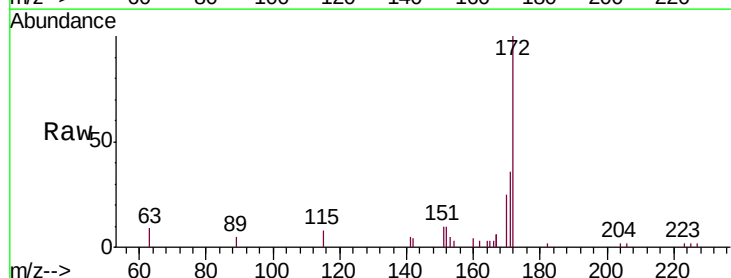


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

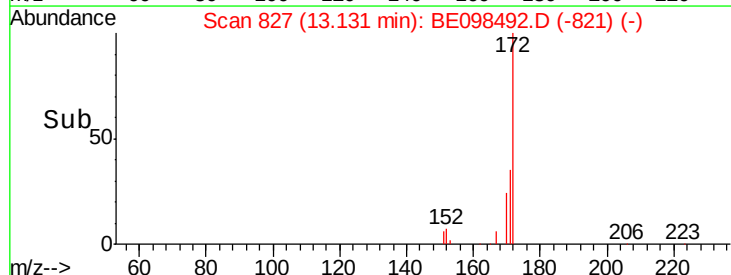
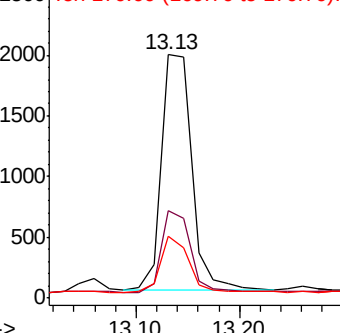


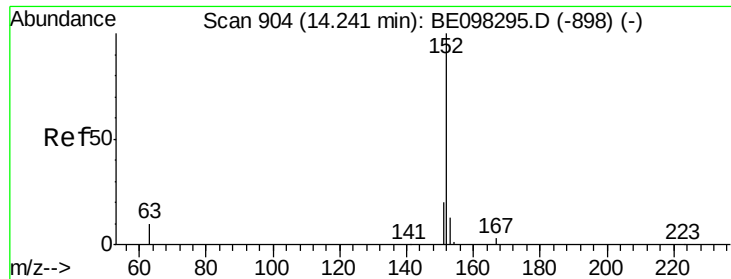
#15
 2-Fluorobiphenyl
 Concen: 0.291 ng
 RT: 13.13 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

Tgt Ion: 172 Resp: 3948
 Ion Ratio Lower Upper
 172 100
 171 36.0 27.5 41.3
 170 25.3 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: 0.066 ng

RT: 14.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

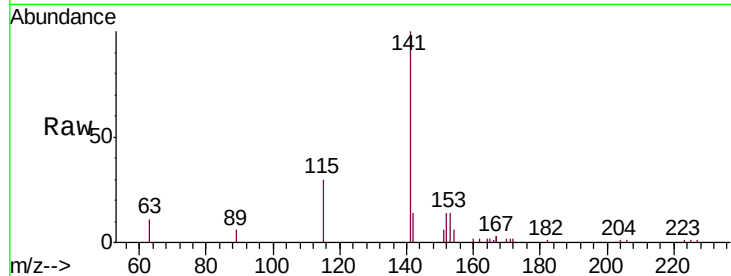
Tgt Ion:152 Resp: 1000

Ion Ratio Lower Upper

152 100

151 35.5 15.5 23.3#

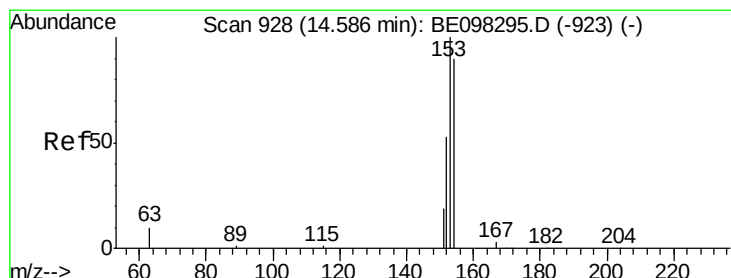
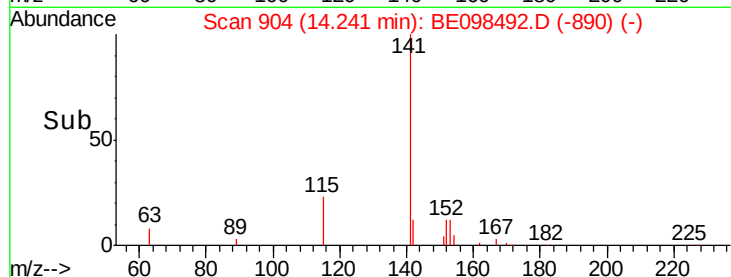
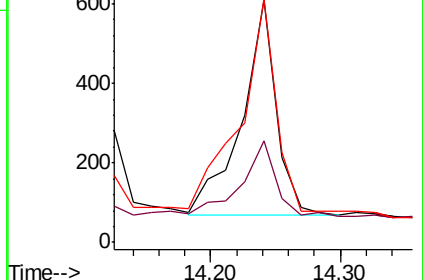
153 116.8 10.6 16.0#



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: 0.146 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

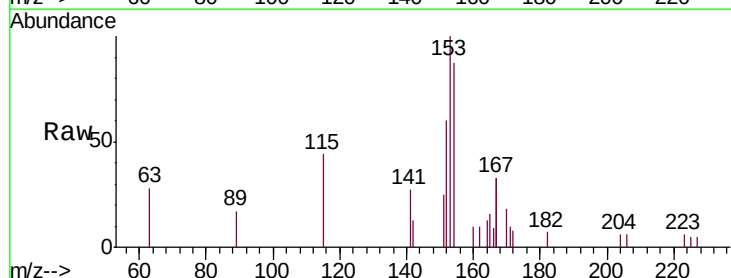
Tgt Ion:154 Resp: 1323

Ion Ratio Lower Upper

154 100

153 157.4 91.8 137.6#

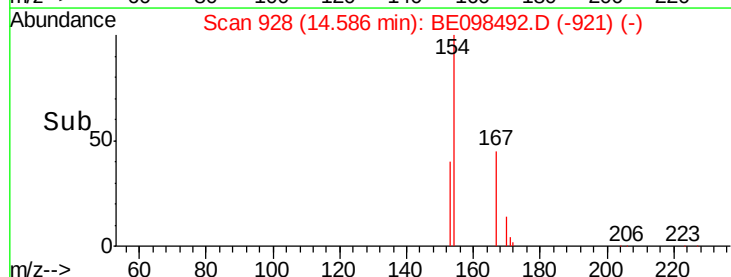
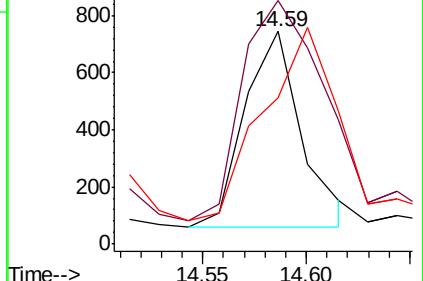
152 121.3 45.5 68.3#

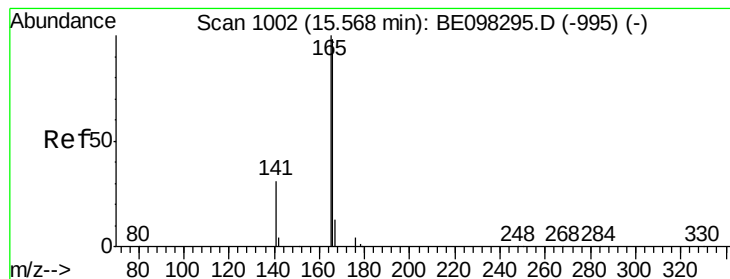


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.308 ng

RT: 15.56 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

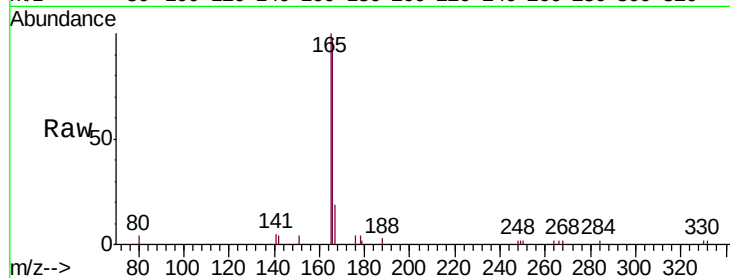
Tgt Ion:166 Resp: 3732

Ion Ratio Lower Upper

166 100

165 103.2 79.3 118.9

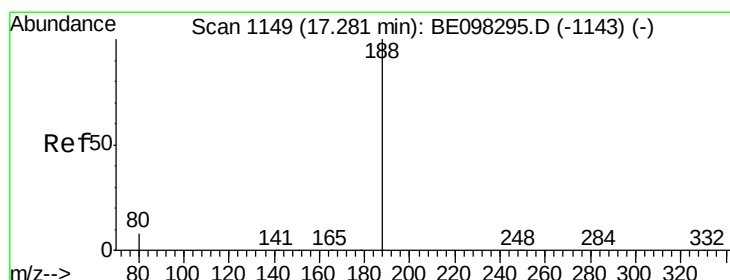
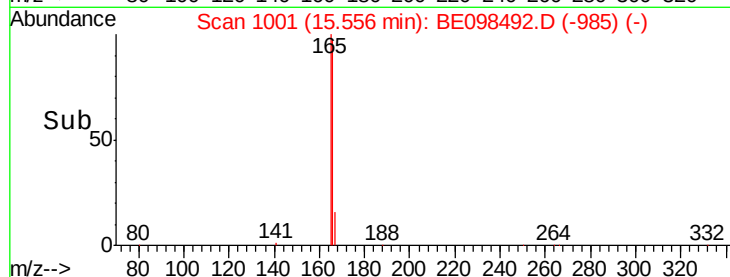
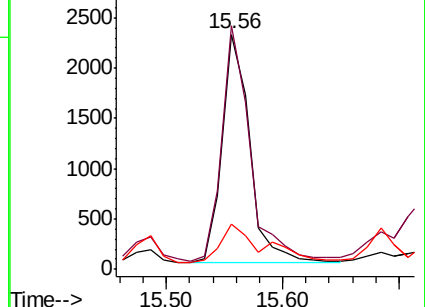
167 26.2 11.3 16.9#



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: BE098492.D

Acq: 16 Dec 2018 4:55

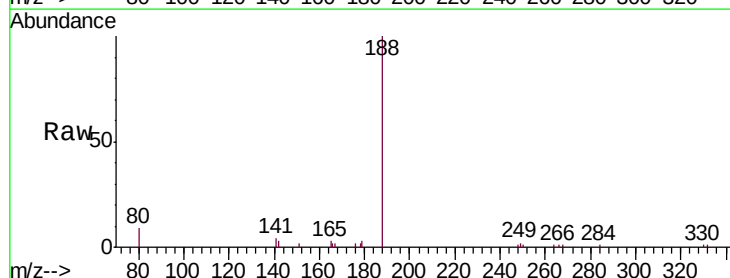
Tgt Ion:188 Resp: 5695

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

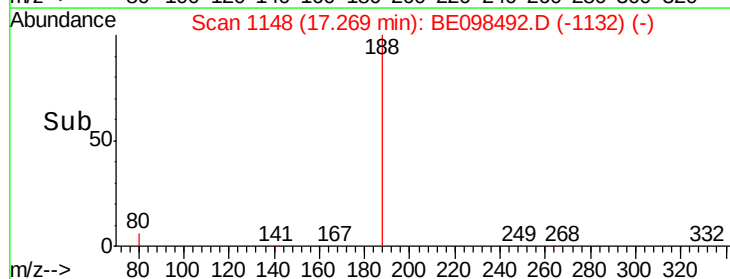
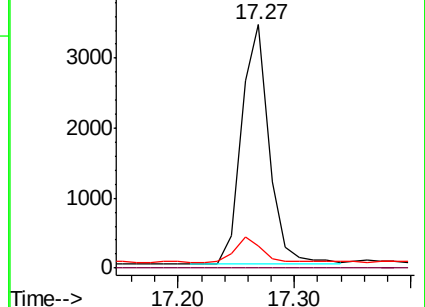
80 8.9 7.2 10.8

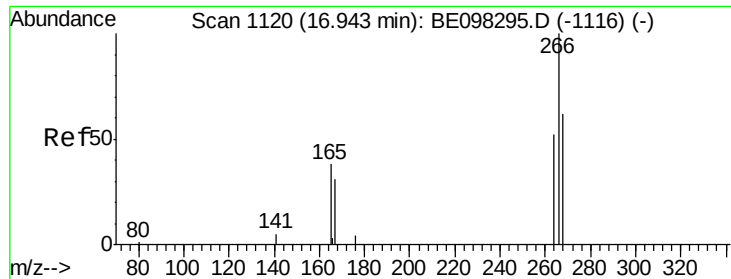


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

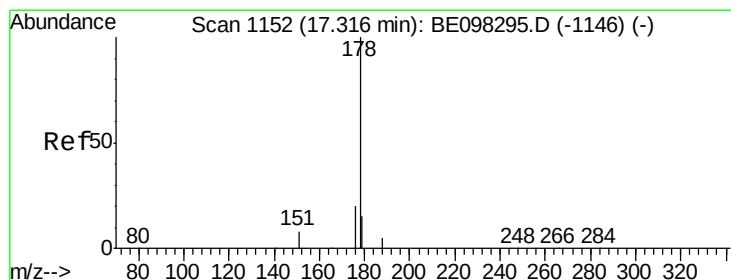
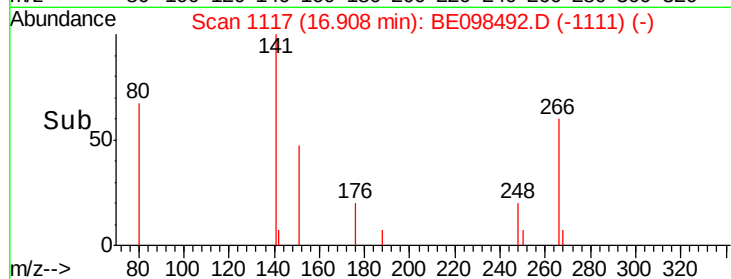
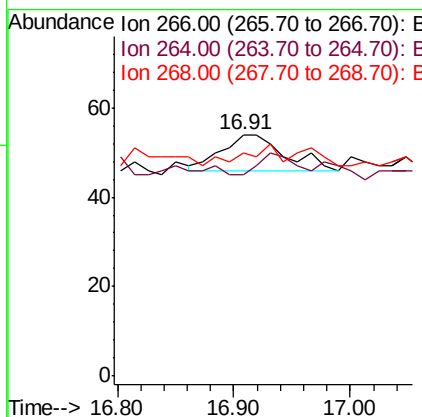
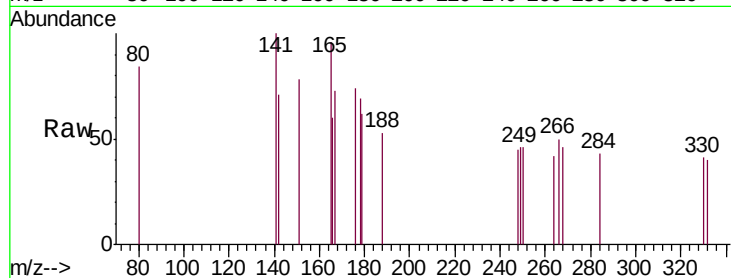




#22
 Pentachlorophenol
 Concen: 0.076 ng
 RT: 16.91 min Scan# 1117
 Delta R.T. -0.03 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

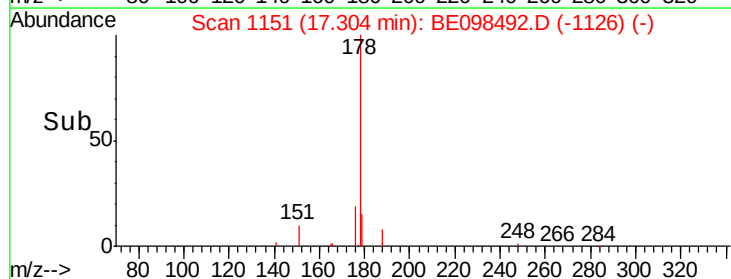
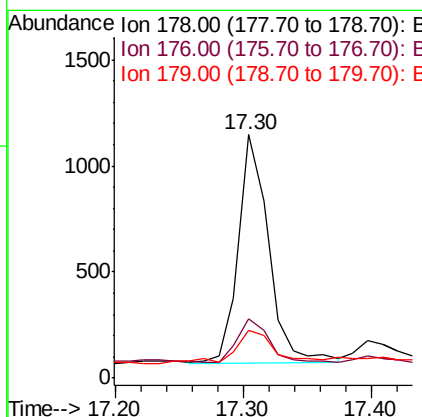
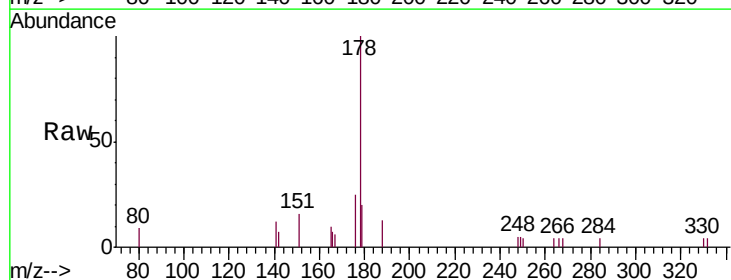
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02_121218

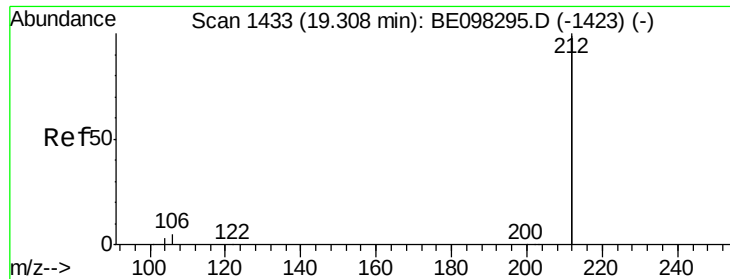
Tgt Ion: 266 Resp: 30
 Ion Ratio Lower Upper
 266 100
 264 83.3 59.0 88.4
 268 92.6 55.1 82.7#



#23
 Phenanthrene
 Concen: 0.127 ng
 RT: 17.30 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

Tgt Ion: 178 Resp: 1763
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.9 23.9
 179 19.8 12.3 18.5#

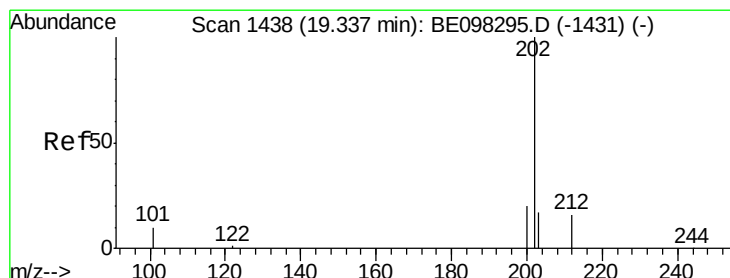
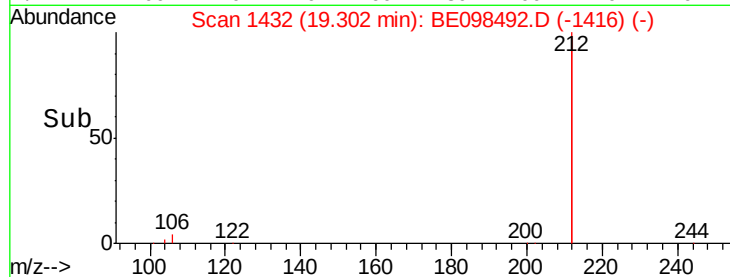
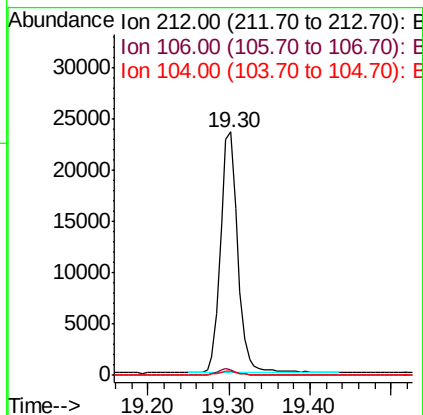
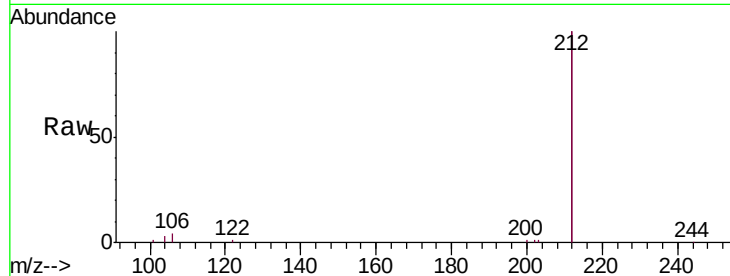




#25
 Fluoranthene-d10
 Concen: 0.476 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

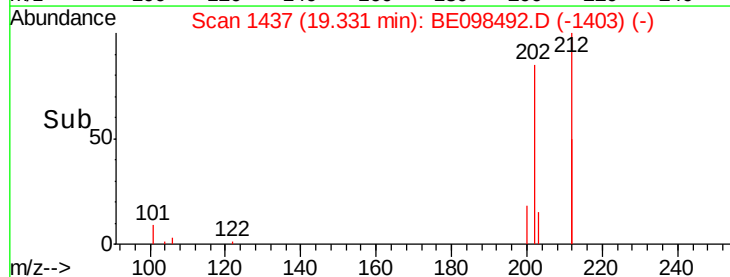
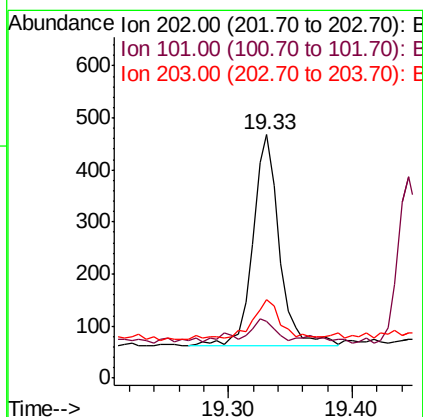
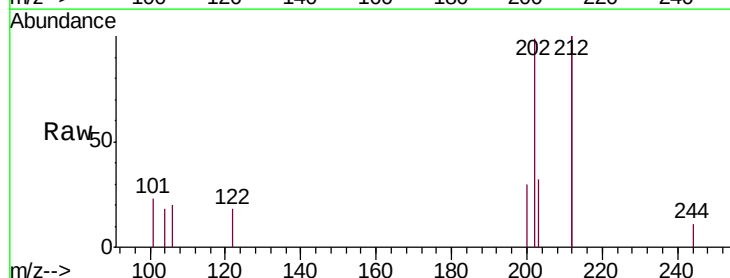
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02_121218

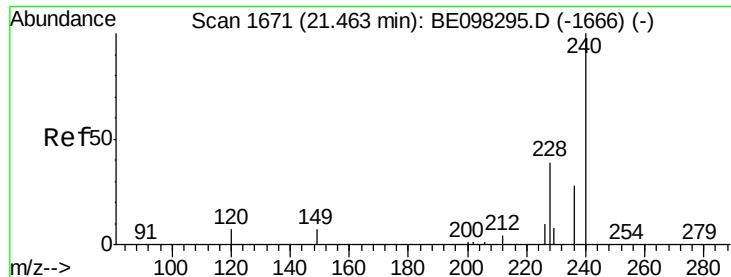
Tgt Ion: 212 Resp: 34748
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.033 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

Tgt Ion: 202 Resp: 602
 Ion Ratio Lower Upper
 202 100
 101 7.8 8.0 12.0#
 203 16.9 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

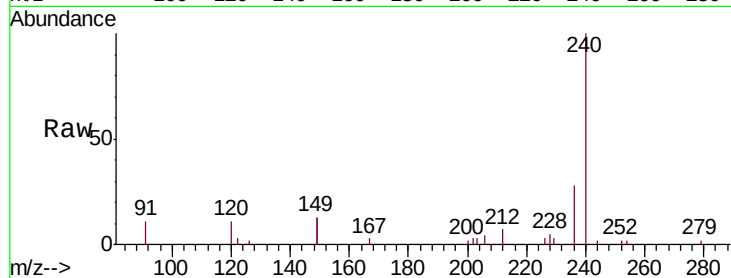
Tgt Ion:240 Resp: 6963

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

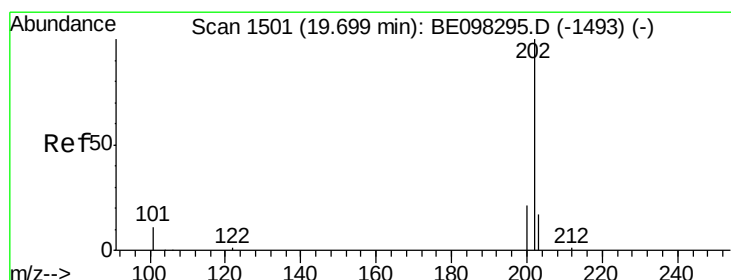
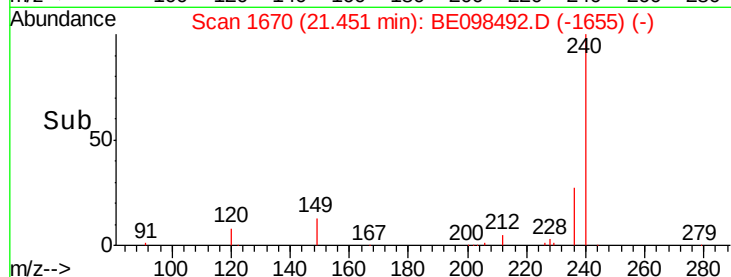
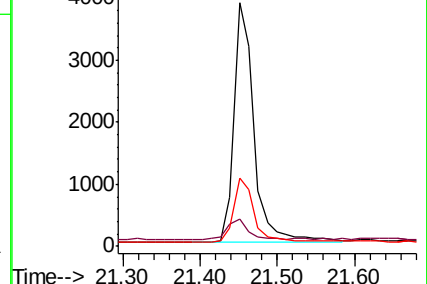
236 28.1 22.7 34.1



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: 0.027 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

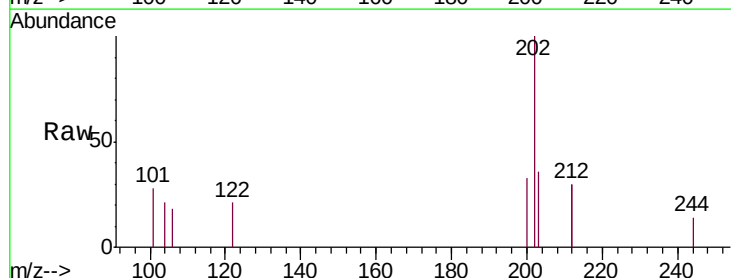
Tgt Ion:202 Resp: 579

Ion Ratio Lower Upper

202 100

200 22.6 16.7 25.1

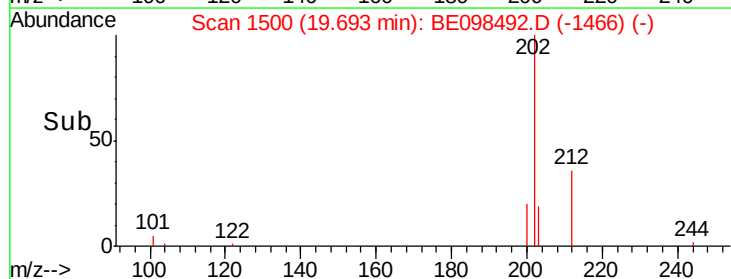
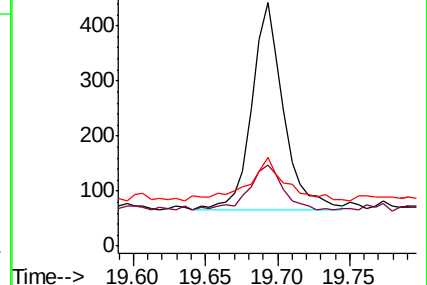
203 25.9 14.1 21.1#

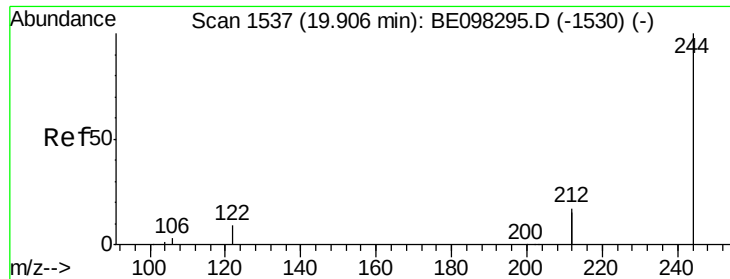


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.453 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218

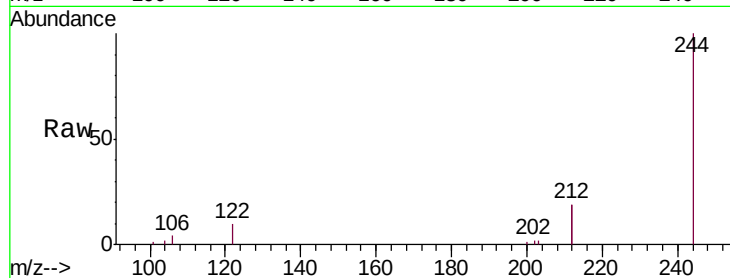
Tgt Ion:244 Resp: 7668

Ion Ratio Lower Upper

244 100

212 38.3 27.4 41.0

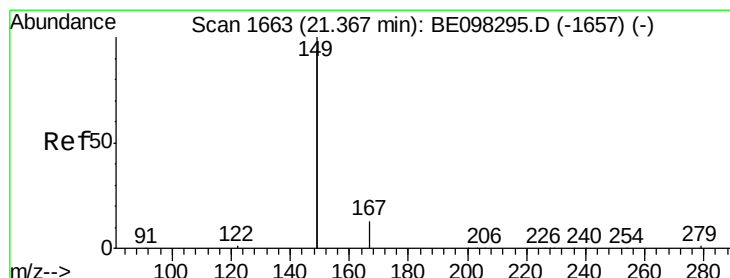
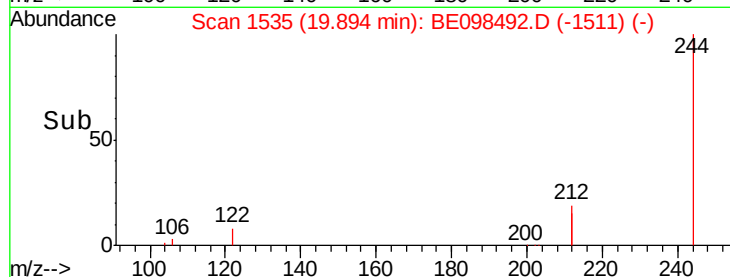
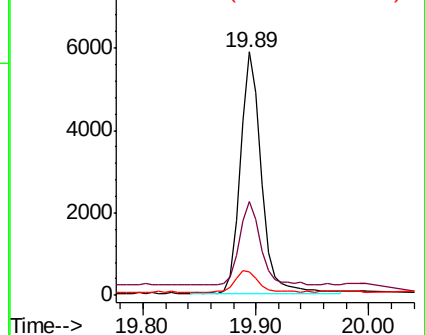
122 9.8 8.3 12.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.078 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098492.D

Acq: 16 Dec 2018 4:55

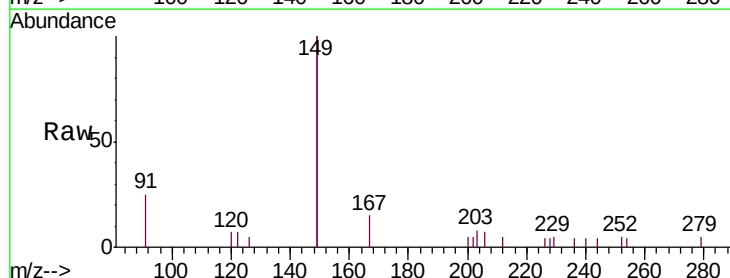
Tgt Ion:149 Resp: 3122

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

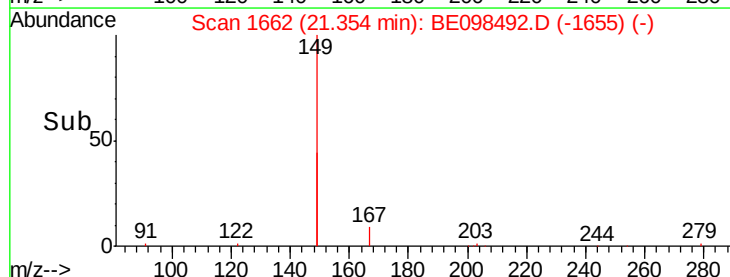
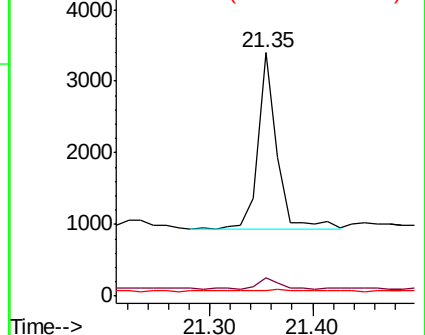
279 1.6 1.0 1.4#

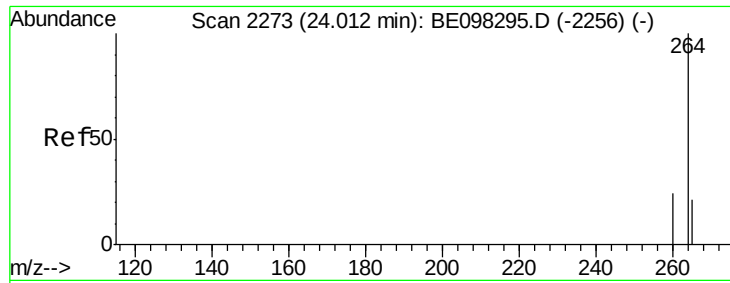


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

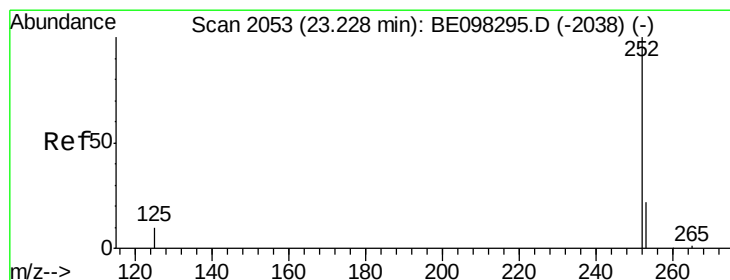
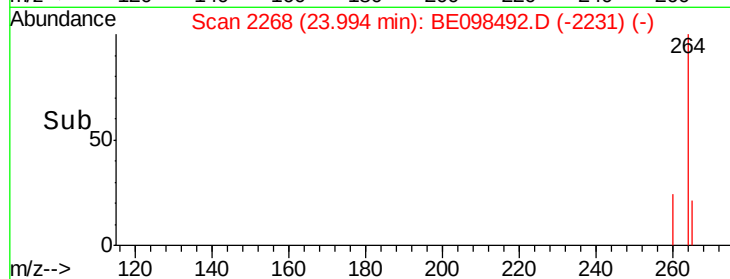
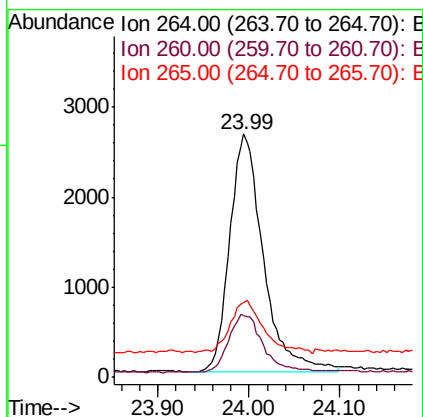
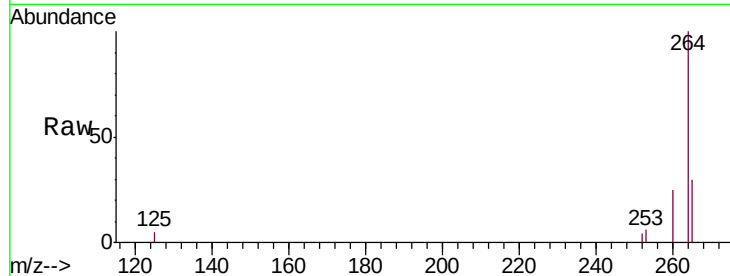




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

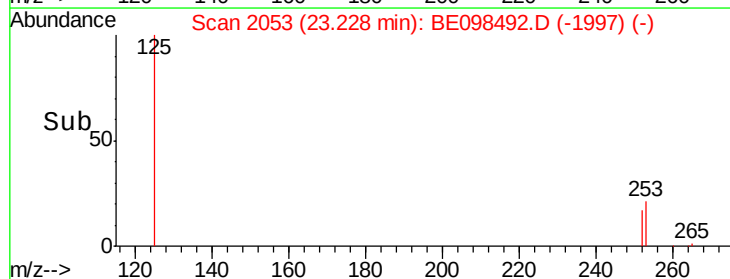
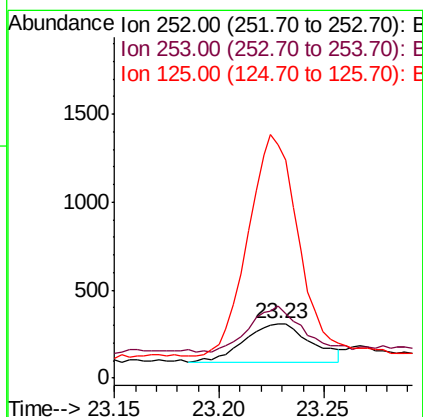
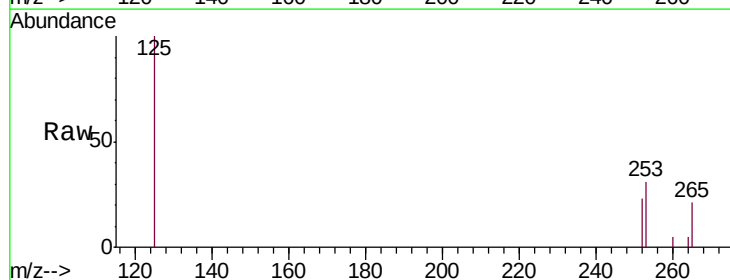
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02_121218

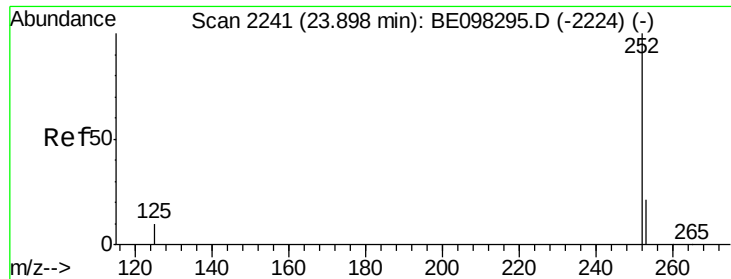
Tgt Ion: 264 Resp: 6764
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.2 30.2
 265 30.5 25.2 37.8



#35
Benzo(b)fluoranthene
 Concen: 0.026 ng
 RT: 23.23 min Scan# 2053
 Delta R.T. 0.00 min
 Lab File: BE098492.D
 Acq: 16 Dec 2018 4:55

Tgt Ion: 252 Resp: 473
 Ion Ratio Lower Upper
 252 100
 253 131.7 20.0 30.0#
 125 430.1 9.6 14.4#





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098492.D

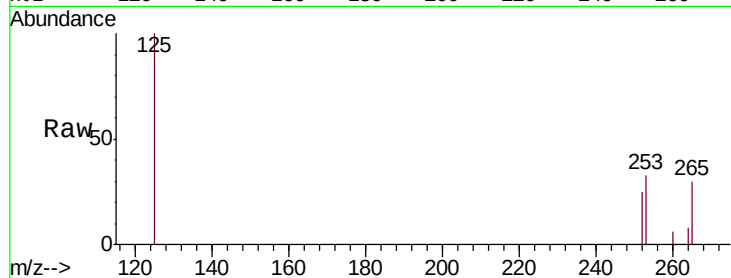
Acq: 16 Dec 2018 4:55

Instrument :

BNA_E

ClientSampleId :

PR-MW-02_121218



Tgt Ion:	252	Resp:	400
Ion	Ratio	Lower	Upper
252	100		
253	128.5	20.6	30.8#
125	392.6	10.5	15.7#

