

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091843.D
 Acq On : 23 May 2016 12:29
 Operator : UM/SJ
 Sample : H3138-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Quant Time: May 24 02:19:40 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

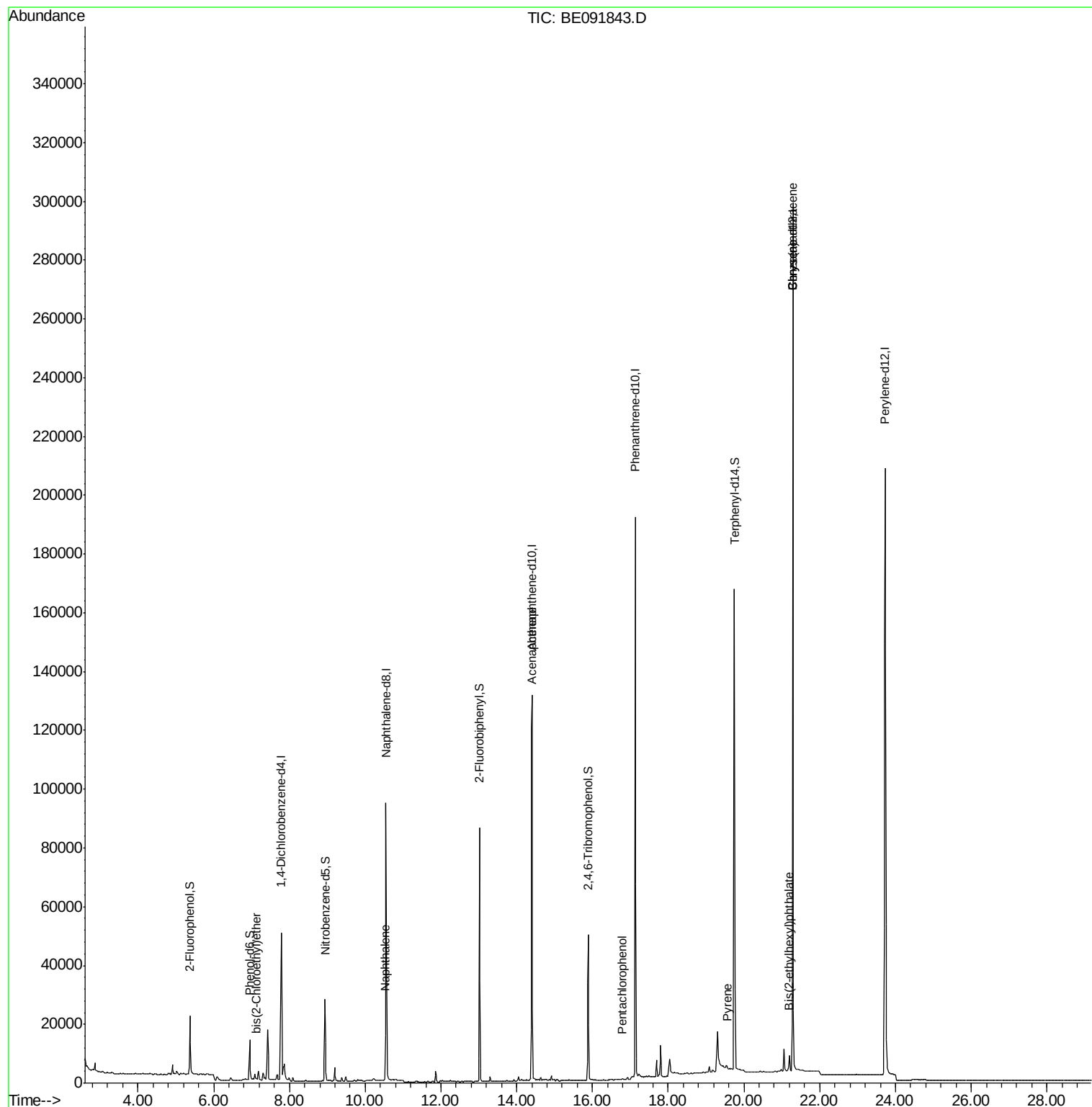
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	26262	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	136336	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	94961	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	244394	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	337099	5.00	ng	-0.02
35) Perylene-d12	23.73	264	298883	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	16696	2.43	ng	-0.02
5) Phenol-d6	6.95	99	16723	1.73	ng	0.00
8) Nitrobenzene-d5	8.94	82	27913	3.09	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	31196	8.46	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	82476	3.07	ng	-0.01
29) Terphenyl-d14	19.74	244	197294	4.13	ng	-0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.11	93	810	0.10	ng	# 40
10) Naphthalene	10.53	128	1192	0.04	ng	# 82
17) Acenaphthene	14.39	154	596	0.02	ng	# 74
22) Pentachlorophenol	16.79	266	442	0.11	ng	92
23) Phenanthrene	17.17	178	1503	Below Cal	#	13
27) Benzidine	19.38	184	828	Below Cal	#	1
28) Pyrene	19.55	202	1598	0.02	ng	# 57
30) Benzo(a)anthracene	21.29	228	1735	0.02	ng	# 58
32) Chrysene	21.29	228	1711	0.06	ng	# 65
33) Bis(2-ethylhexyl)phthalate	21.20	149	7085	0.39	ng	# 83

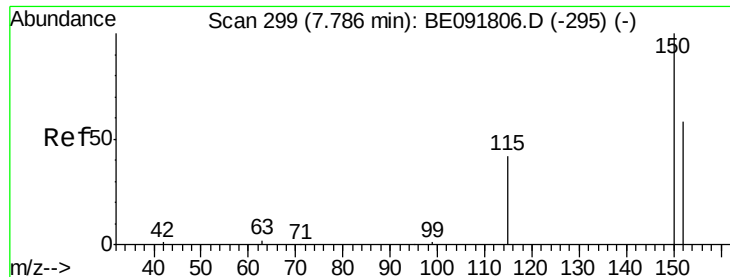
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091843.D
Acq On : 23 May 2016 12:29
Operator : UM/SJ
Sample : H3138-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-1

Quant Time: May 24 02:19:40 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

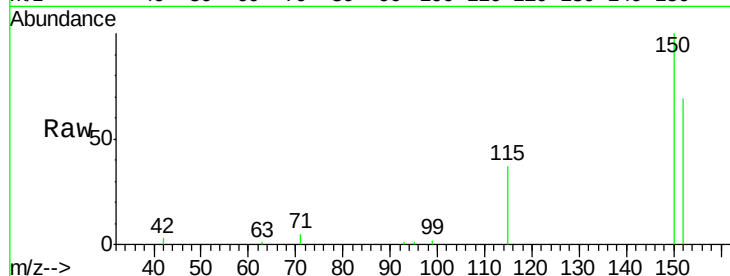
Tgt Ion:152 Resp: 26262

Ion Ratio Lower Upper

152 100

150 145.9 122.6 183.8

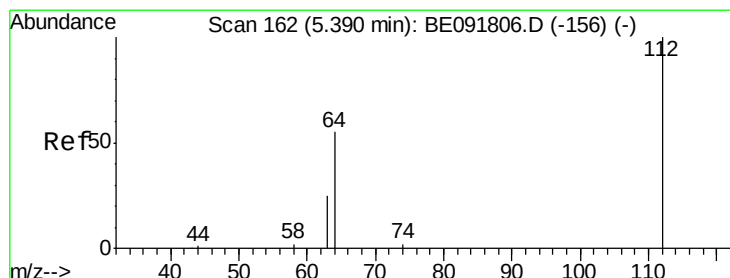
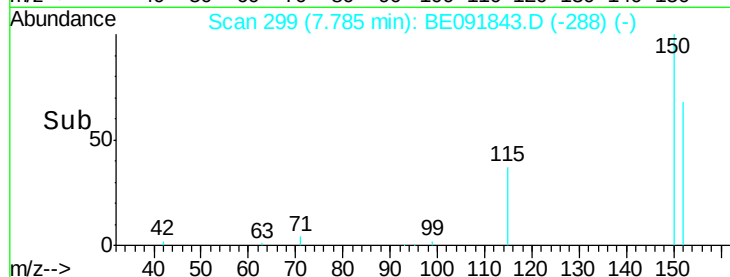
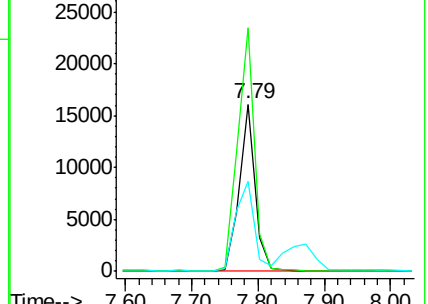
115 54.0 52.8 79.2



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



#4

2-Fluorophenol

Concen: 2.43 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.02 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

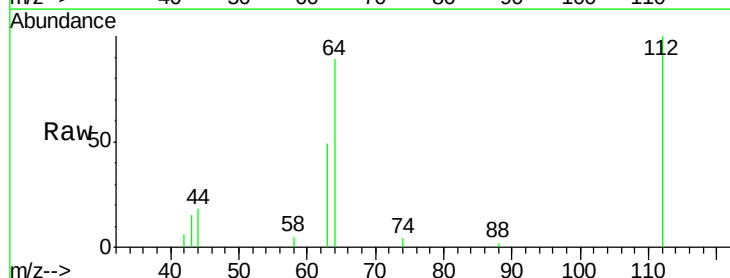
Tgt Ion:112 Resp: 16696

Ion Ratio Lower Upper

112 100

64 67.1 30.9 46.3#

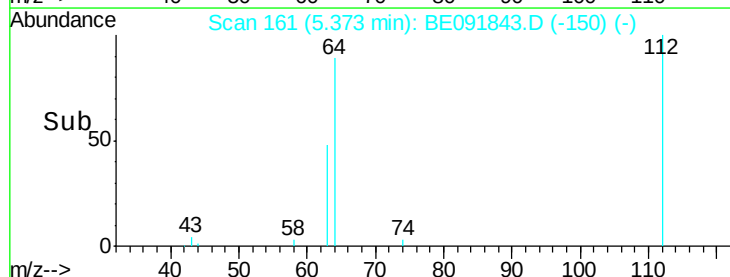
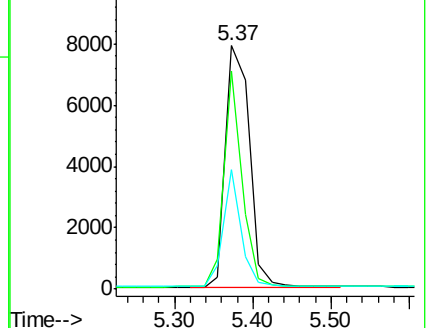
63 35.8 16.7 25.1#

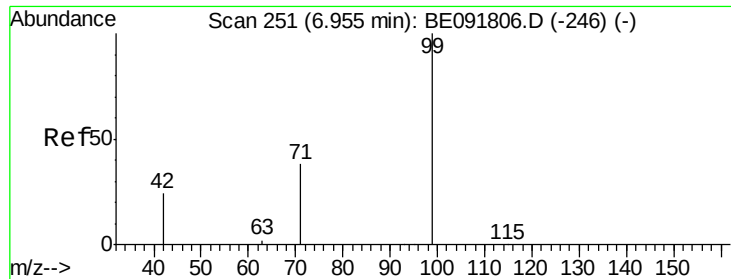


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.73 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

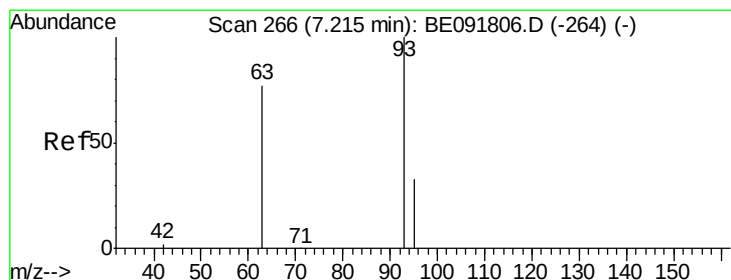
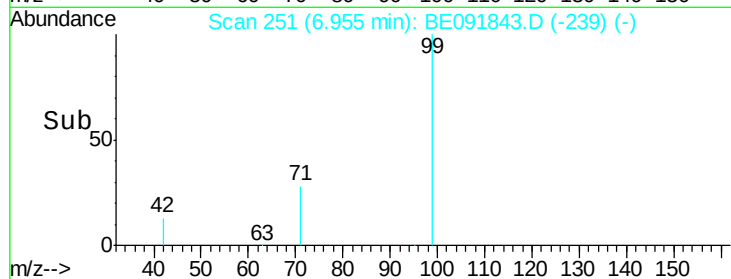
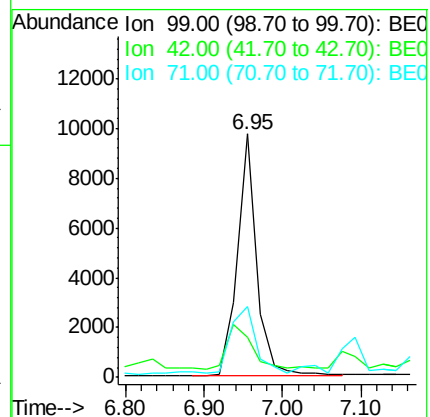
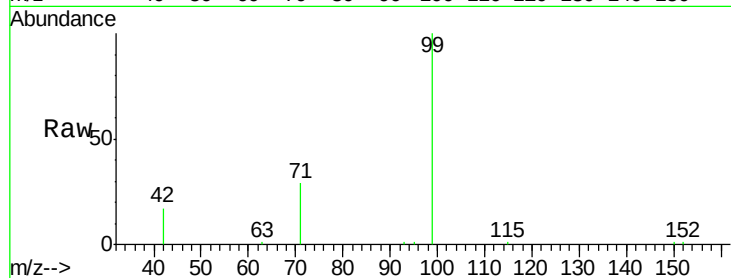
Tgt Ion: 99 Resp: 16723

Ion Ratio Lower Upper

99 100

42 24.0 16.2 24.2

71 38.4 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.11 min Scan# 260

Delta R.T. -0.10 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

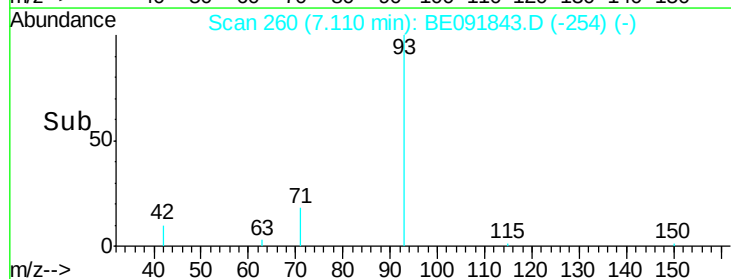
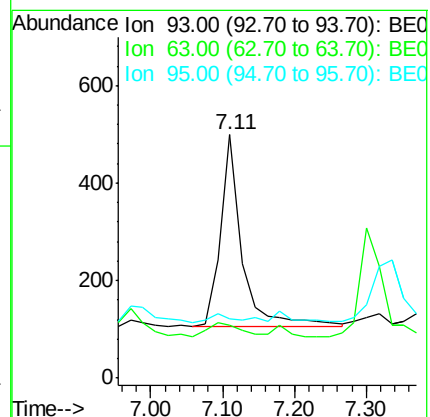
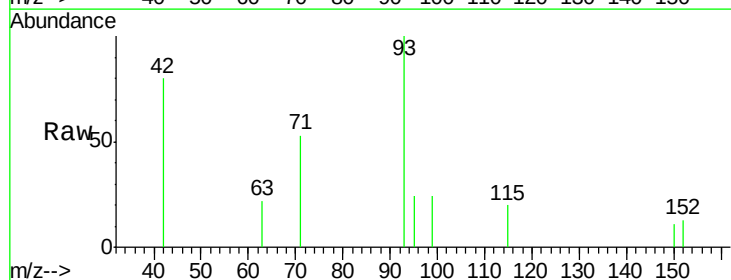
Tgt Ion: 93 Resp: 810

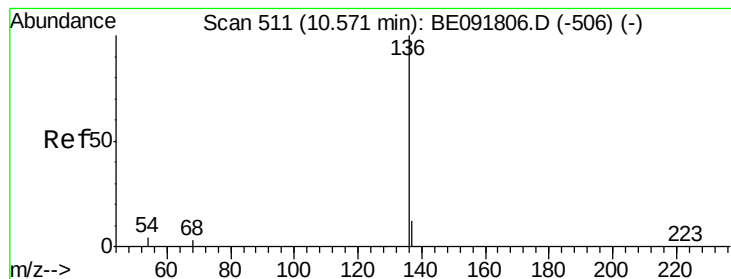
Ion Ratio Lower Upper

93 100

63 10.7 49.5 74.3#

95 4.3 22.2 33.4#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

Tgt Ion:136 Resp: 136336

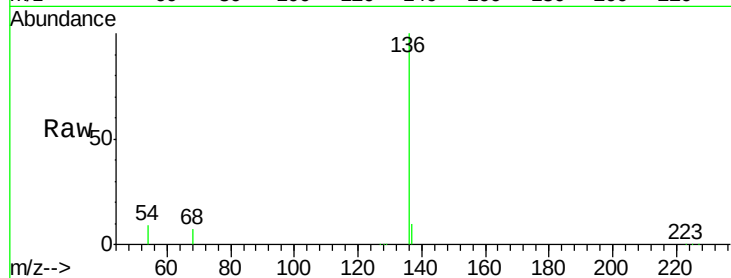
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.3 8.2 12.4

68 7.0 6.2 9.4

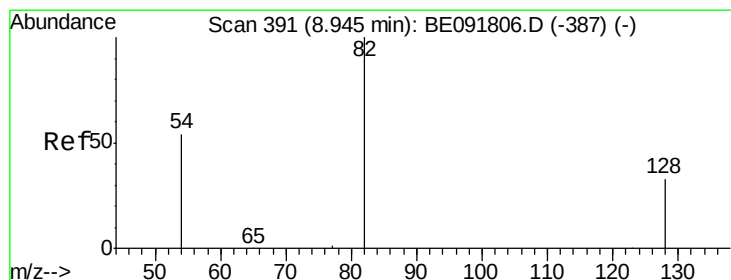
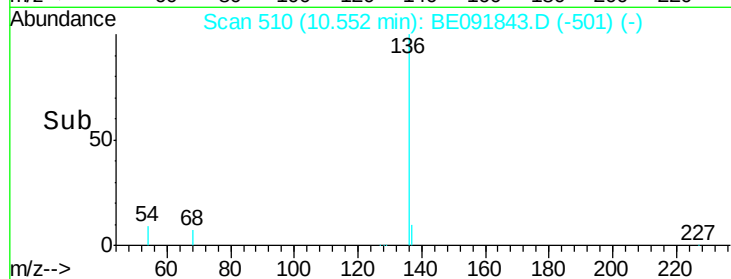
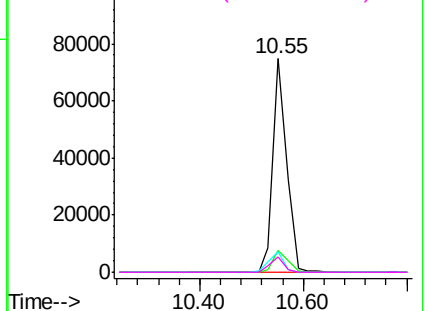


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.09 ng

RT: 8.94 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

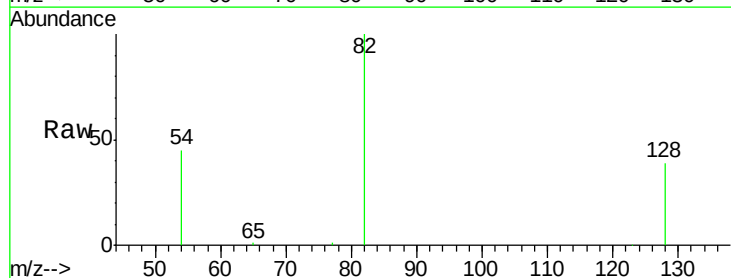
Tgt Ion: 82 Resp: 27913

Ion Ratio Lower Upper

82 100

128 39.0 25.4 38.0#

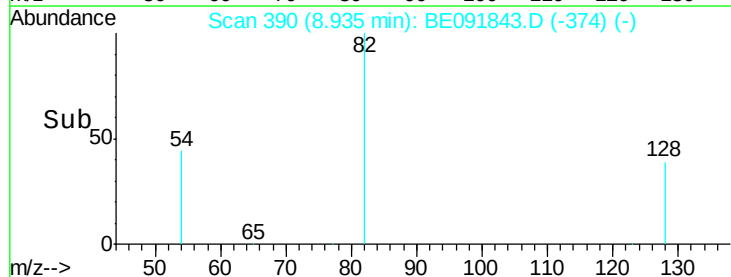
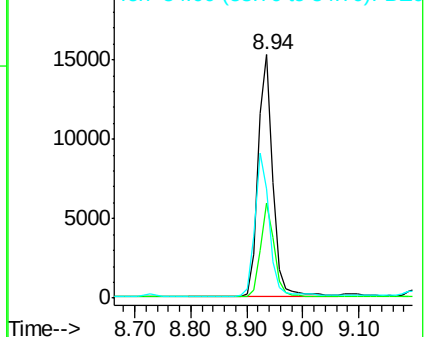
54 44.9 48.4 72.6#

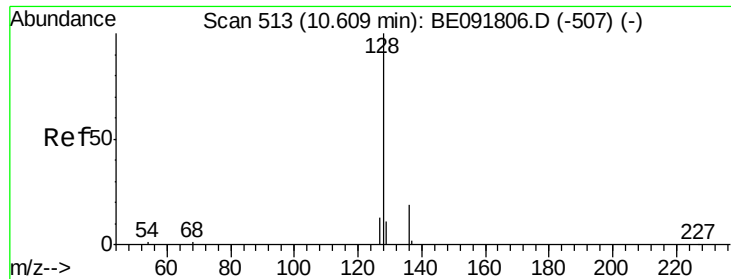


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: 0.04 ng

RT: 10.53 min Scan# 509

Delta R.T. -0.08 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

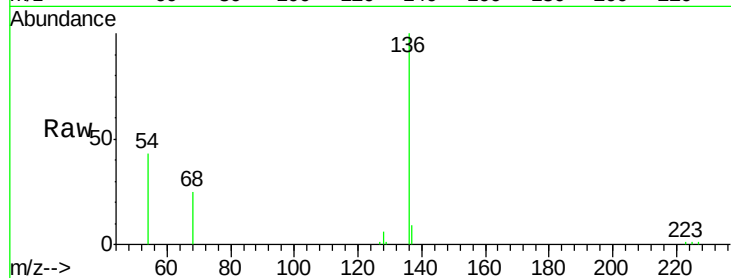
Tgt Ion:128 Resp: 1192

Ion Ratio Lower Upper

128 100

129 22.0 9.3 13.9#

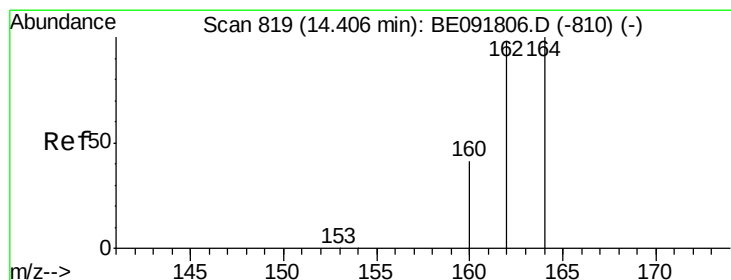
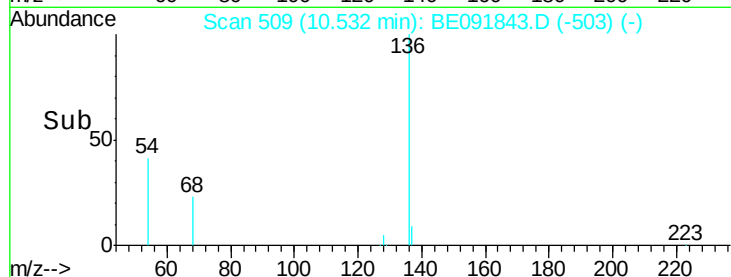
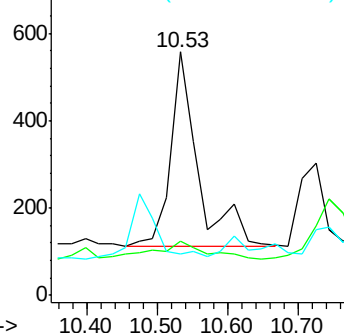
127 17.2 10.7 16.1#



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



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

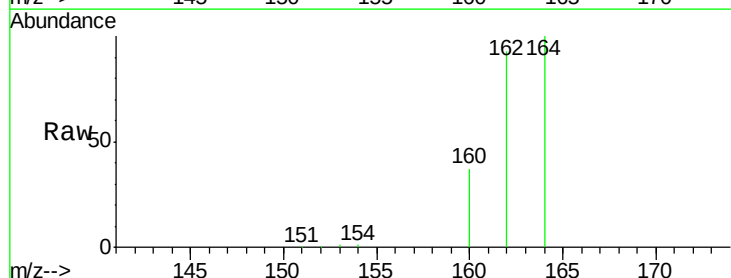
Tgt Ion:164 Resp: 94961

Ion Ratio Lower Upper

164 100

162 93.0 85.3 127.9

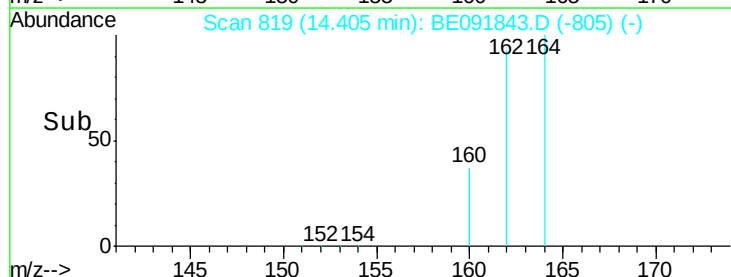
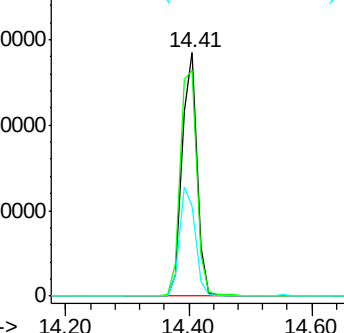
160 36.9 46.2 69.2#

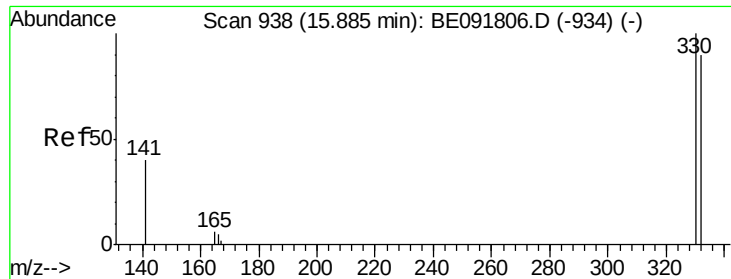


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

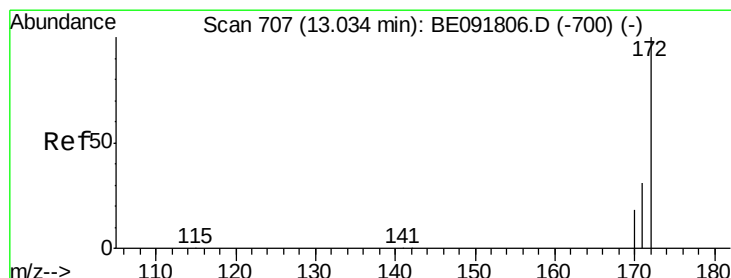
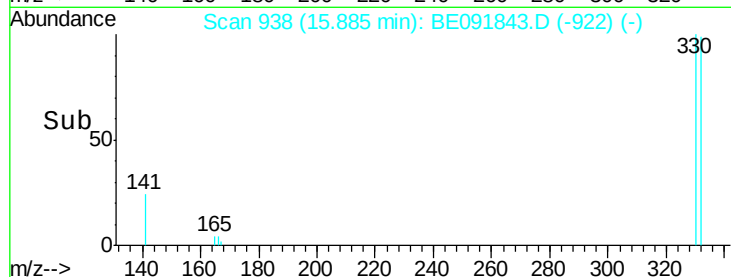
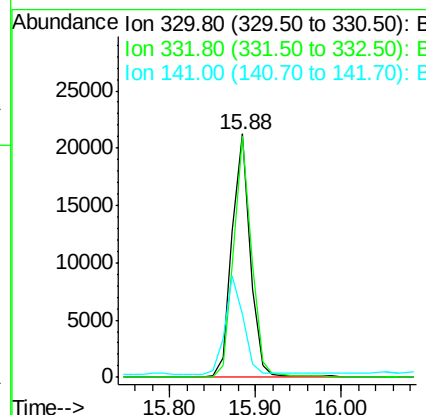
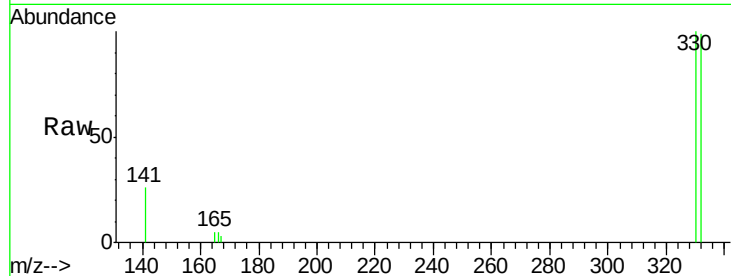




#14
 2,4,6-Tribromophenol
 Concen: 8.46 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

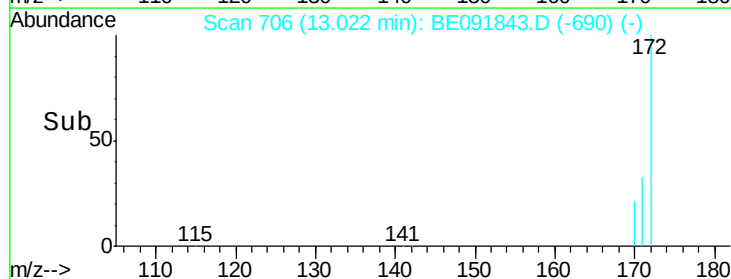
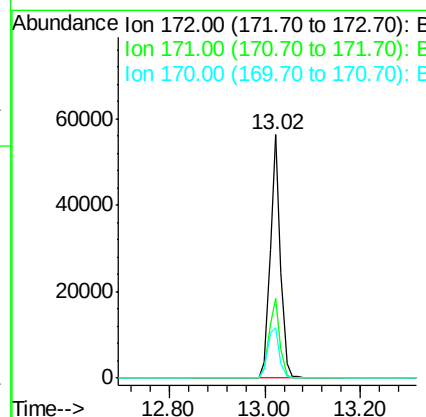
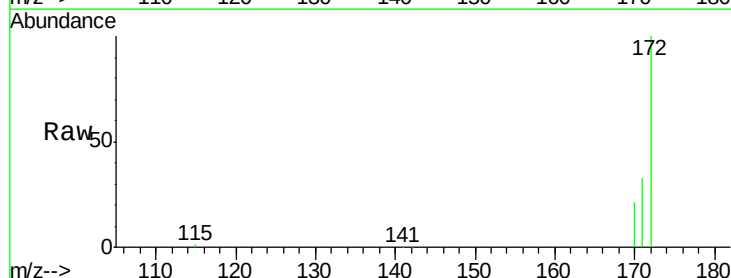
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

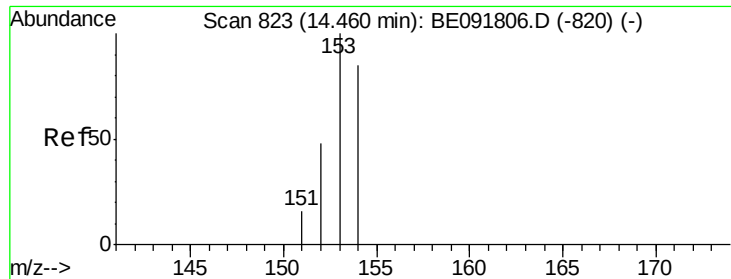
Tgt Ion:330 Resp: 31196
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.1 118.7
 141 40.5 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.07 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

Tgt Ion:172 Resp: 82476
 Ion Ratio Lower Upper
 172 100
 171 32.7 28.8 43.2
 170 20.7 19.3 28.9





#17

Acenaphthene

Concen: 0.02 ng

RT: 14.39 min Scan# 818

Delta R.T. -0.08 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

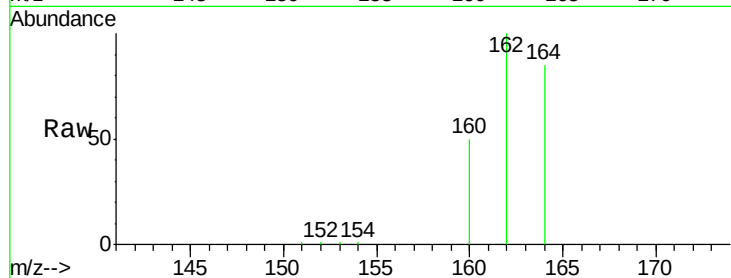
Tgt Ion:154 Resp: 596

Ion Ratio Lower Upper

154 100

153 74.8 80.0 120.0#

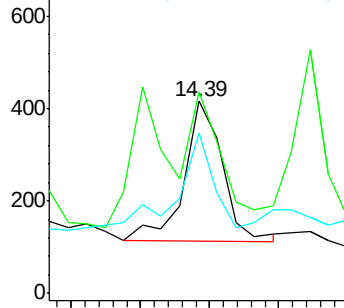
152 68.6 40.0 60.0#



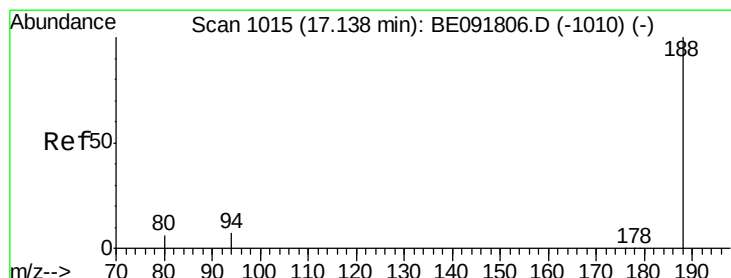
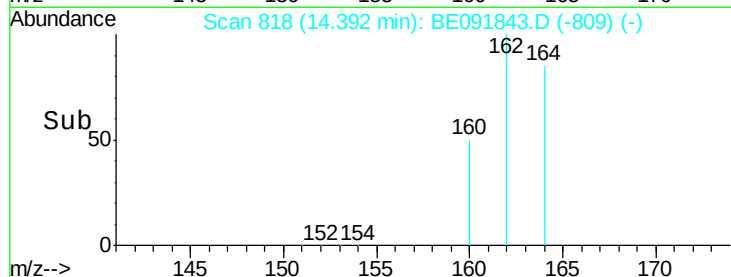
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

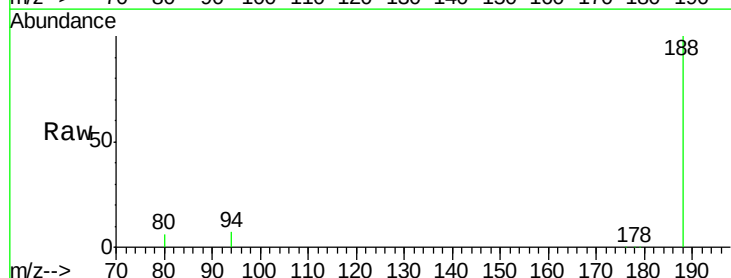
Tgt Ion:188 Resp: 244394

Ion Ratio Lower Upper

188 100

94 6.6 8.7 13.1#

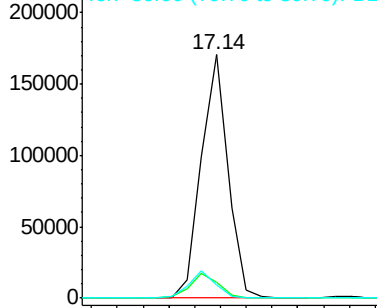
80 5.7 9.4 14.0#



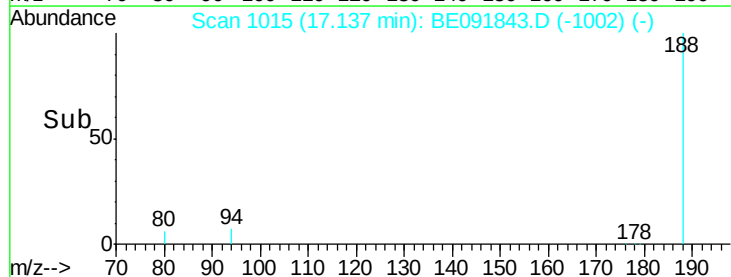
Abundance Ion 188.00 (187.70 to 188.70): E

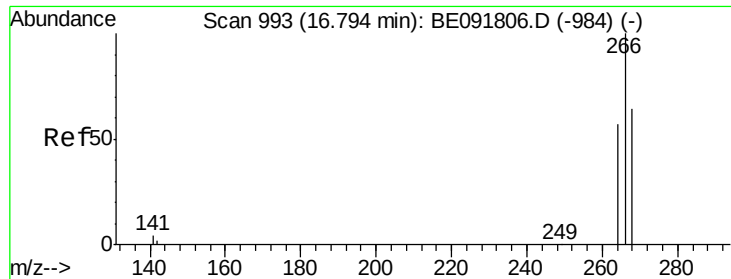
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->

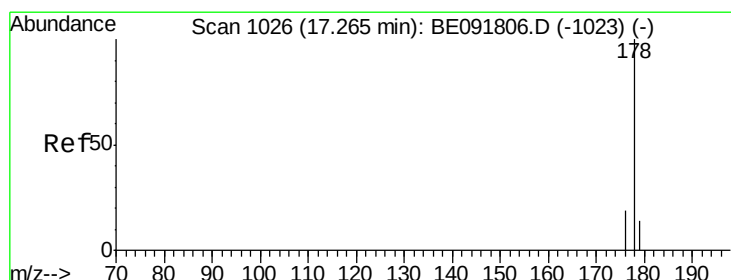
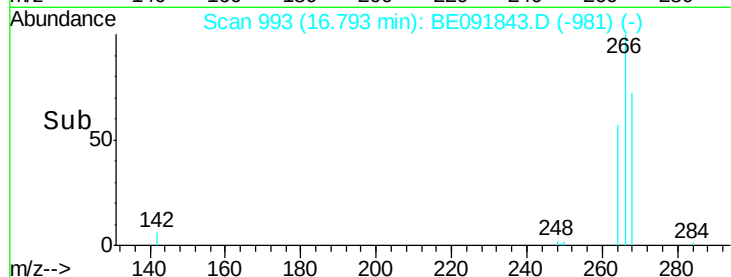
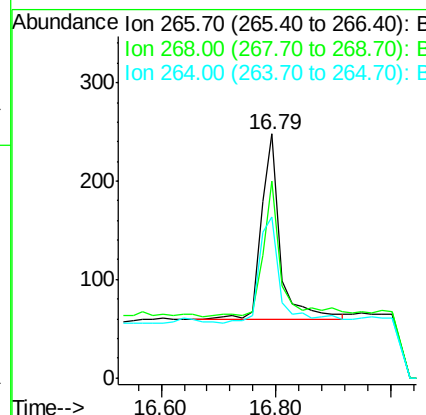
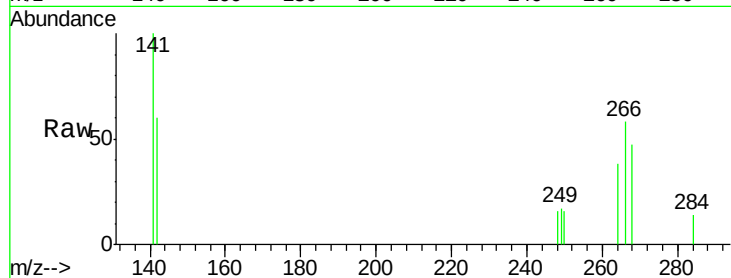




#22
 Pentachlorophenol
 Concen: 0.11 ng
 RT: 16.79 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

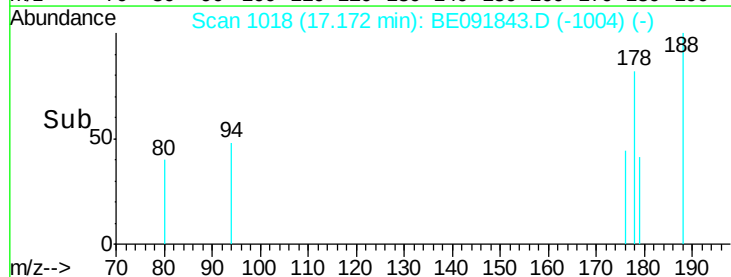
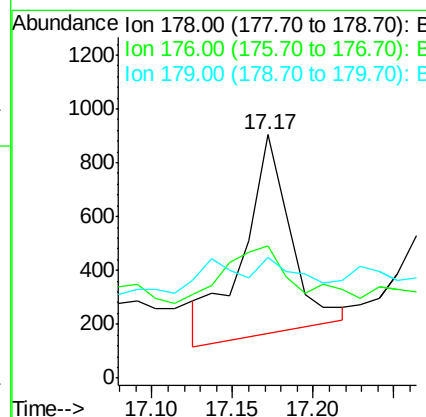
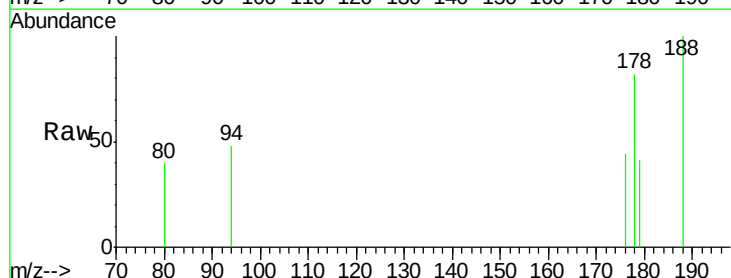
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

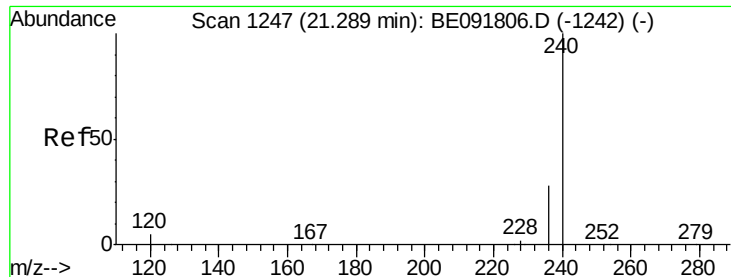
Tgt Ion: 266 Resp: 442
 Ion Ratio Lower Upper
 266 100
 268 80.6 58.2 87.2
 264 65.7 56.2 84.4



#23
 Phenanthrene
 Concen: Below Cal
 RT: 17.17 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

Tgt Ion: 178 Resp: 1503
 Ion Ratio Lower Upper
 178 100
 176 76.5 15.3 22.9#
 179 0.0 12.6 18.8#

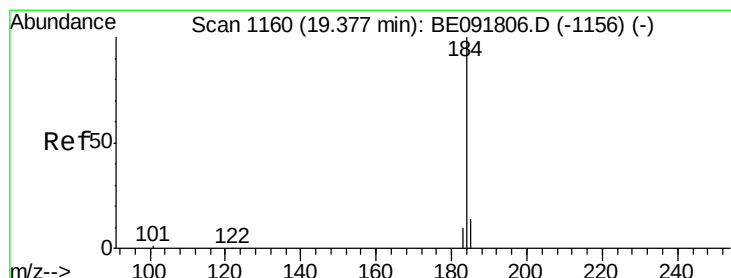
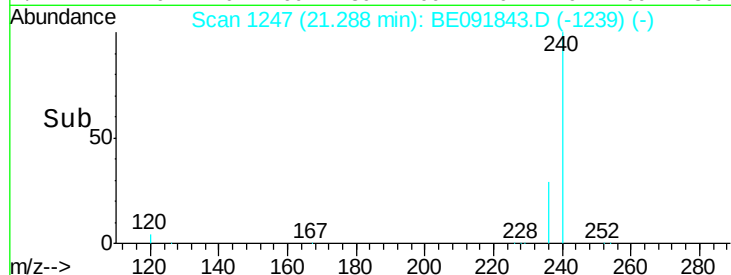
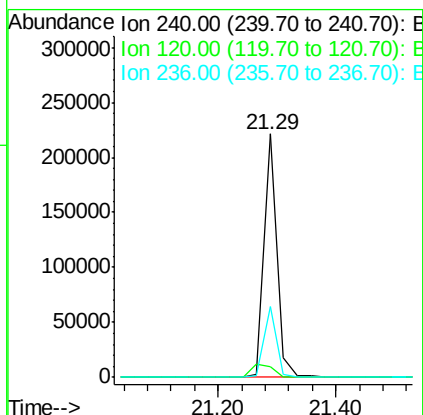
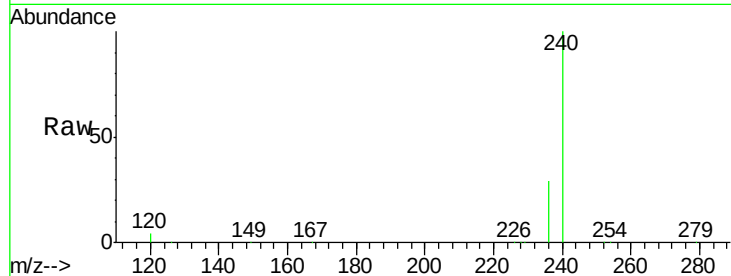




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091843.D
Acq: 23 May 2016 12:29

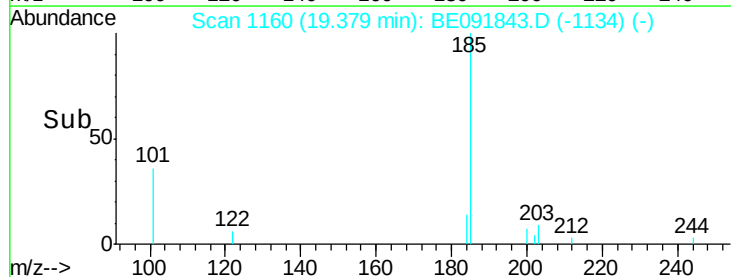
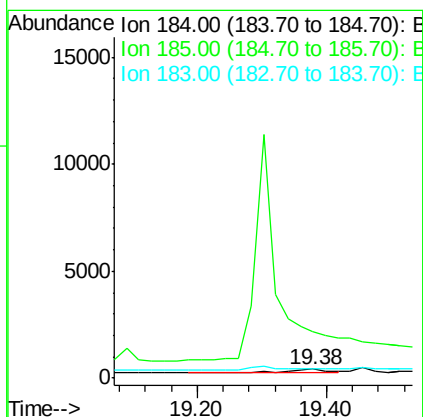
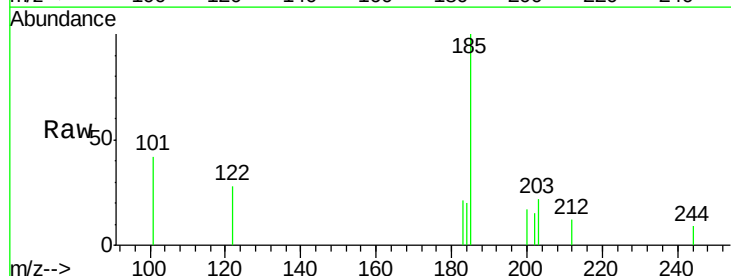
Instrument :
BNA_E
ClientSampleId :
MW-1

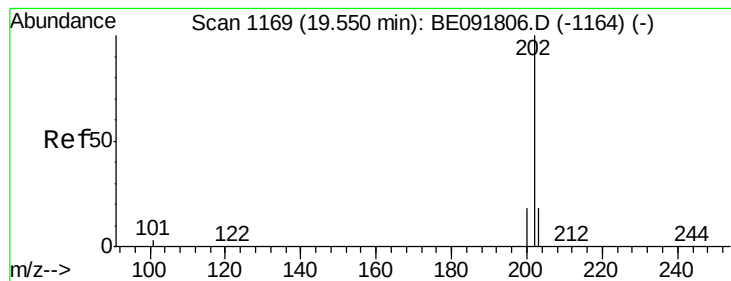
Tgt Ion:240 Resp: 337099
Ion Ratio Lower Upper
240 100
120 4.3 11.0 16.4#
236 28.9 21.7 32.5



#27
Benzidine
Concen: Below Cal
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091843.D
Acq: 23 May 2016 12:29

Tgt Ion:184 Resp: 828
Ion Ratio Lower Upper
184 100
185 504.2 22.3 33.5#
183 104.6 16.4 24.6#





#28

Pyrene

Concen: 0.02 ng

RT: 19.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

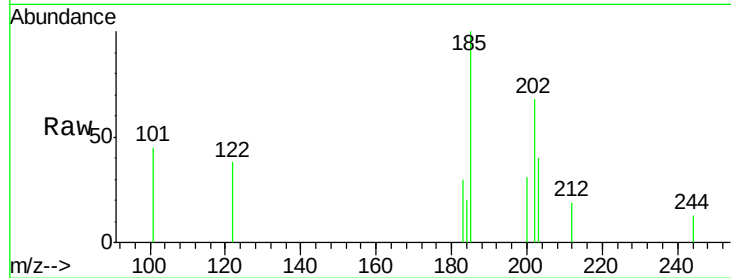
Tgt Ion:202 Resp: 1598

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

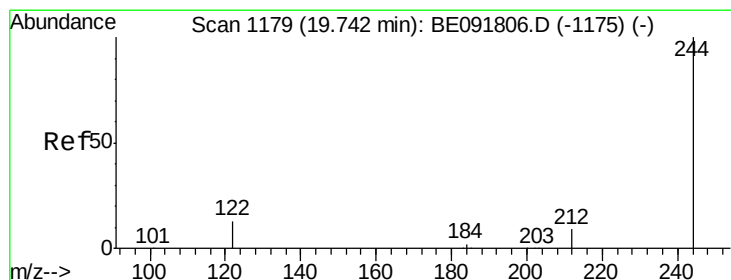
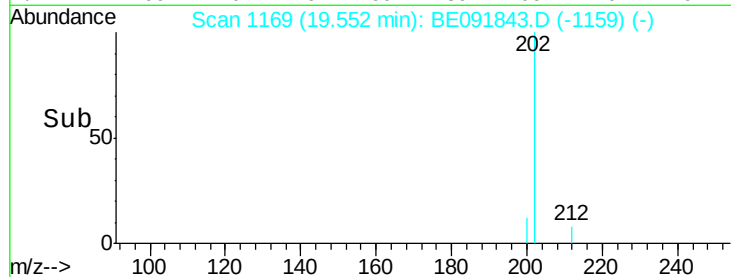
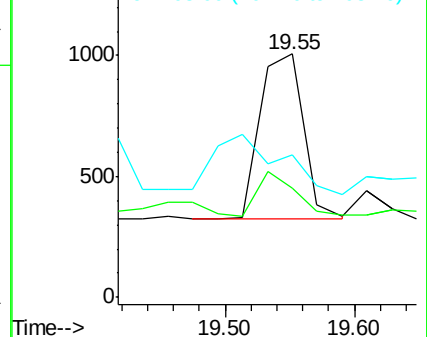
203 0.0 14.0 21.0#



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: 4.13 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

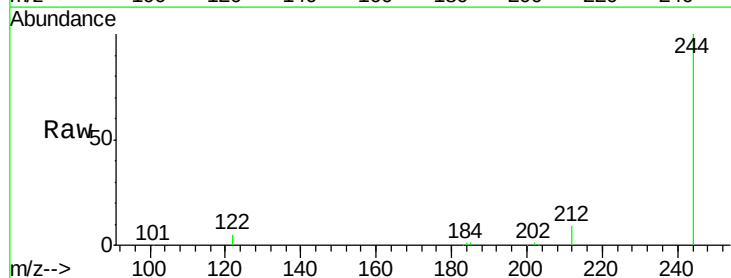
Tgt Ion:244 Resp: 197294

Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

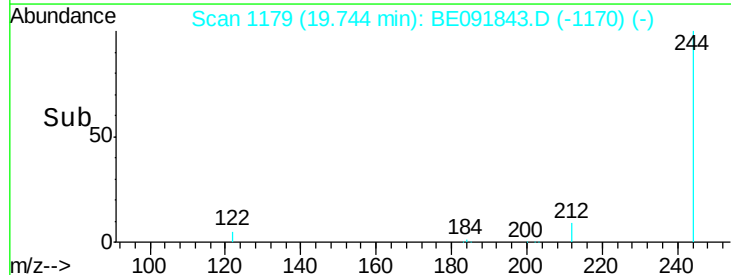
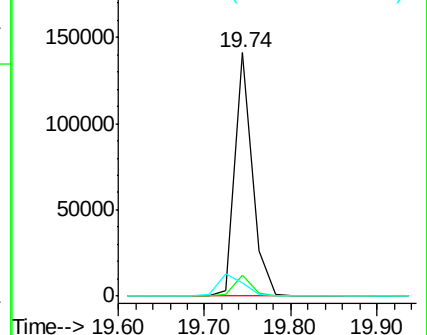
122 5.3 11.0 16.4#

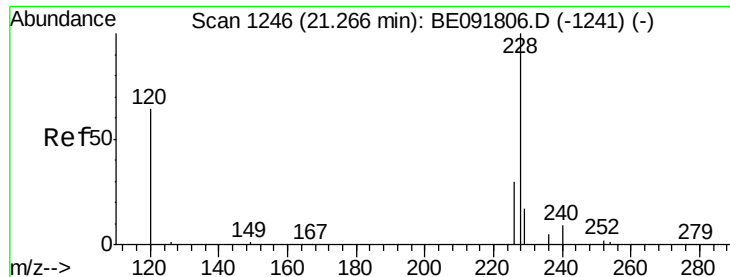


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

Instrument :

BNA_E

ClientSampleId :

MW-1

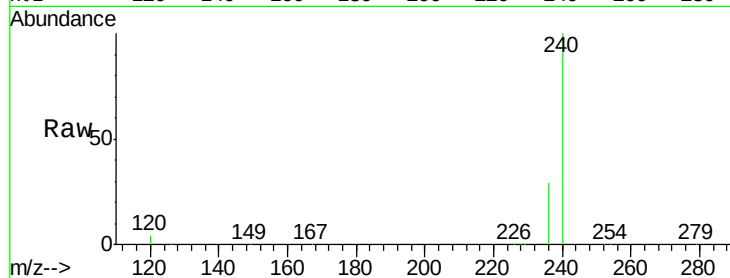
Tgt Ion:228 Resp: 1735

Ion Ratio Lower Upper

228 100

226 31.9 21.0 31.4#

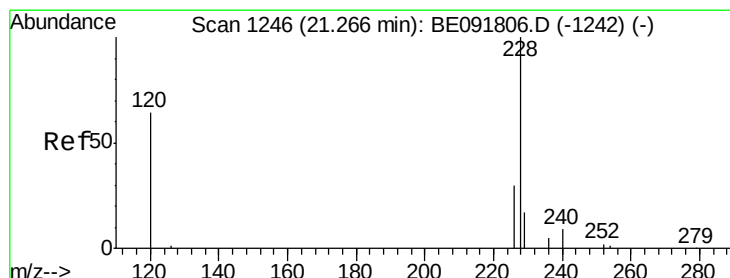
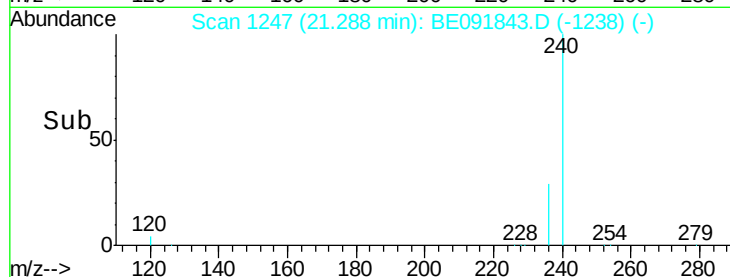
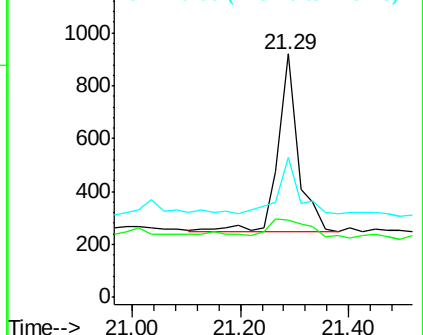
229 57.3 15.7 23.5#



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



#32

Chrysene

Concen: 0.06 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091843.D

Acq: 23 May 2016 12:29

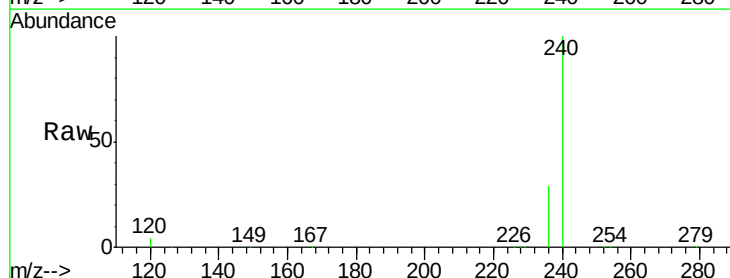
Tgt Ion:228 Resp: 1711

Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

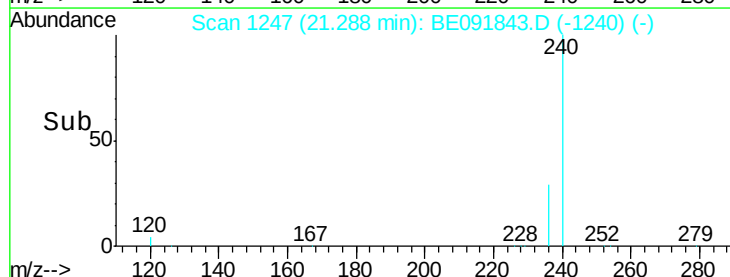
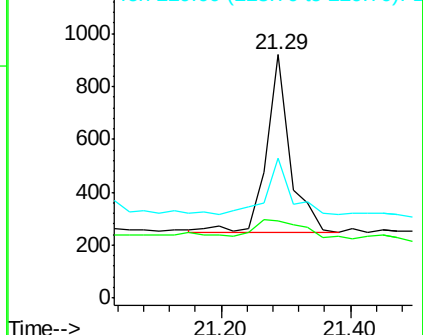
229 57.3 15.9 23.9#

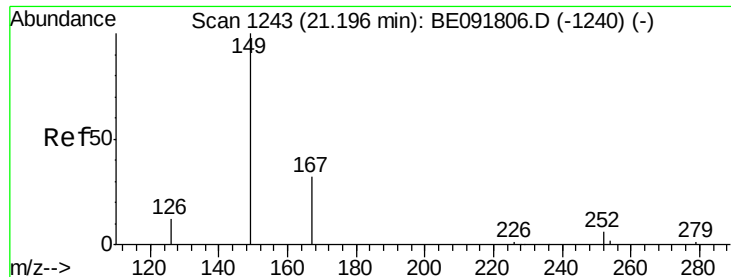


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

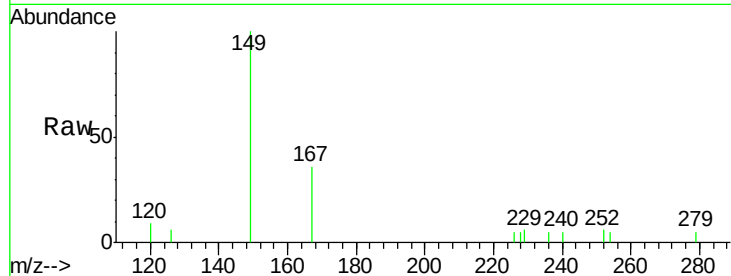




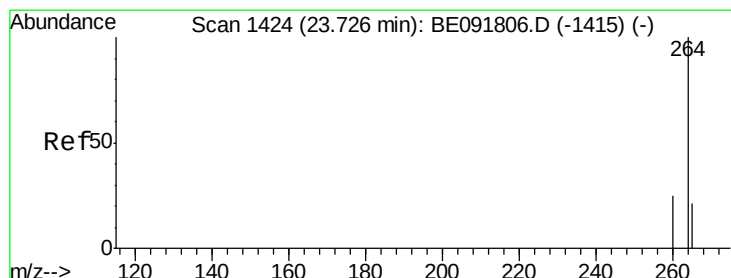
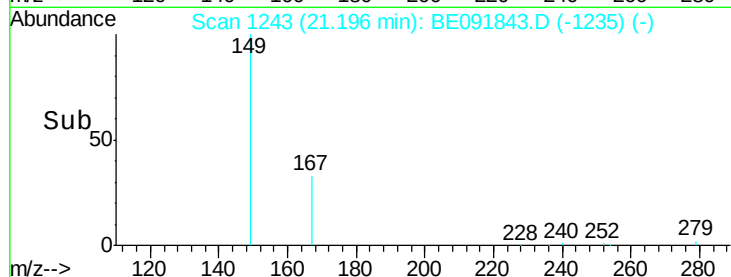
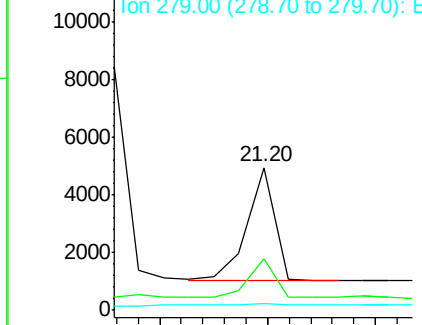
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Tgt Ion:149 Resp: 7085
 Ion Ratio Lower Upper
 149 100
 167 31.2 19.5 29.3#
 279 3.0 10.0 15.0#

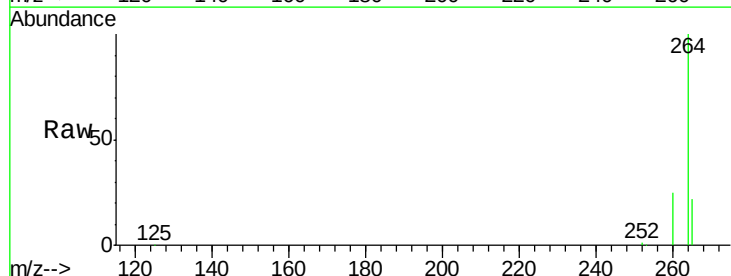


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091843.D
 Acq: 23 May 2016 12:29

Tgt Ion:264 Resp: 298883
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.0 30.0
 265 22.2 17.5 26.3



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

