

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033117\
 Data File : BM009492.D
 Acq On : 01 Apr 2017 02:07
 Operator : SJ/MA
 Sample : I2475-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW24D-GW

Quant Time: Apr 01 03:13:37 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 12:10:26 2017
 Response via : Initial Calibration

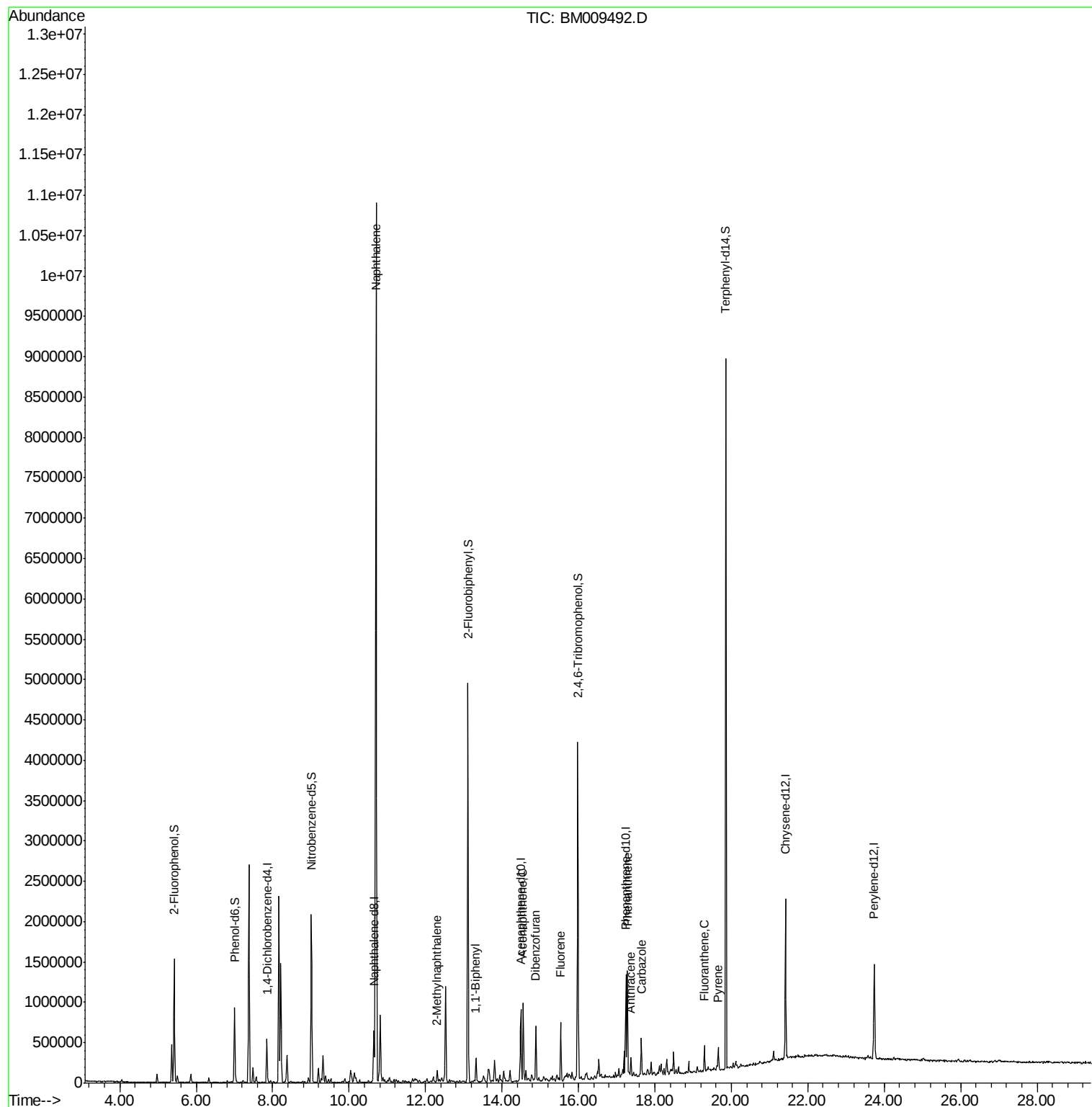
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	121120	20.00	ng	-0.02
21) Naphthalene-d8	10.65	136	460293	20.00	ng	-0.02
38) Acenaphthene-d10	14.49	164	282296	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	686745	20.00	ng	-0.01
75) Chrysene-d12	21.42	240	929446	20.00	ng	-0.01
86) Perylene-d12	23.74	264	865835	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	504134	69.38	ng	-0.01
7) Phenol-d6	7.00	99	437467	44.15	ng	-0.02
23) Nitrobenzene-d5	9.02	82	1163120	94.74	ng	-0.01
41) 2,4,6-Tribromophenol	15.98	330	606424	172.92	ng	-0.02
44) 2-Fluorobiphenyl	13.10	172	2267278	96.78	ng	-0.02
78) Terphenyl-d14	19.86	244	3634093	81.70	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.70	128	7968081	326.15	ng	99
37) 2-Methylnaphthalene	12.30	142	48437	2.87	ng	# 86
45) 1,1'-Biphenyl	13.32	154	140298	5.97	ng	94
51) Acenaphthene	14.55	154	316250	17.63	ng	96
54) Dibenzofuran	14.89	168	380165	14.33	ng	96
57) Fluorene	15.54	166	288295	12.09	ng	97
70) Phenanthrene	17.28	178	712800	18.15	ng	100
71) Anthracene	17.37	178	133071	3.35	ng	98
72) Carbazole	17.64	167	219699	5.77	ng	99
74) Fluoranthene	19.29	202	173614	3.73	ng	99
77) Pyrene	19.66	202	169588	3.22	ng	97

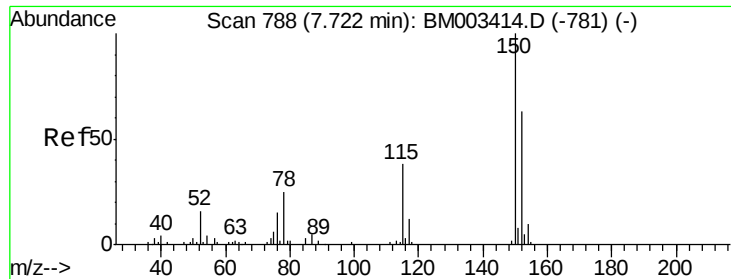
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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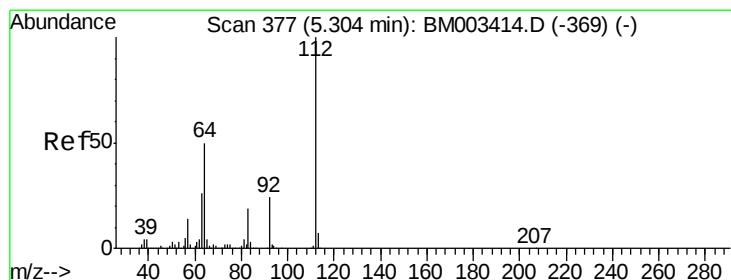
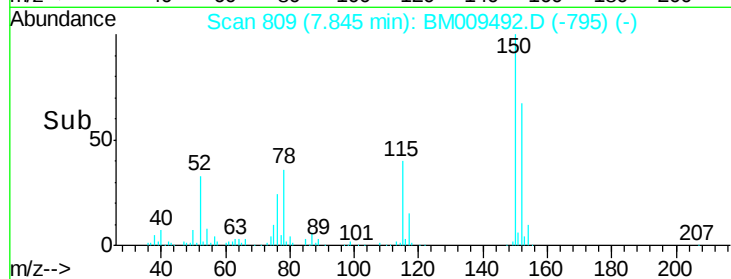
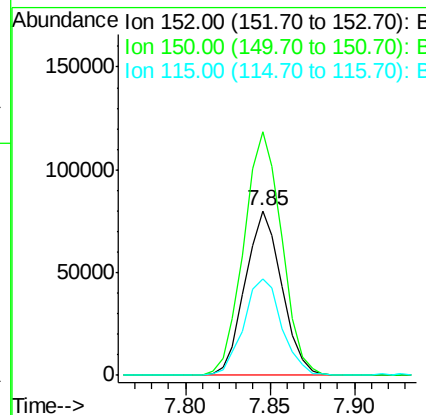
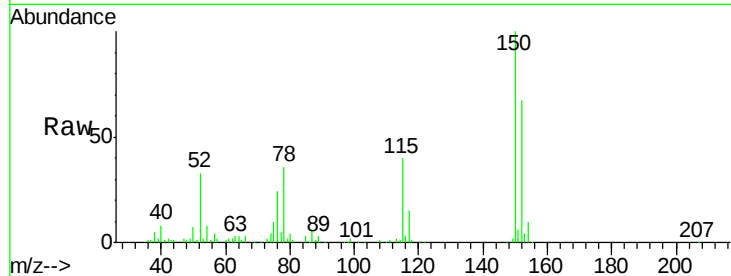


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Instrument :
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ClientSampleId :
QNWP8-MW24D-GW

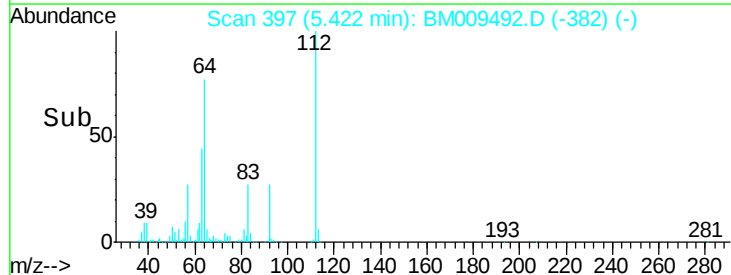
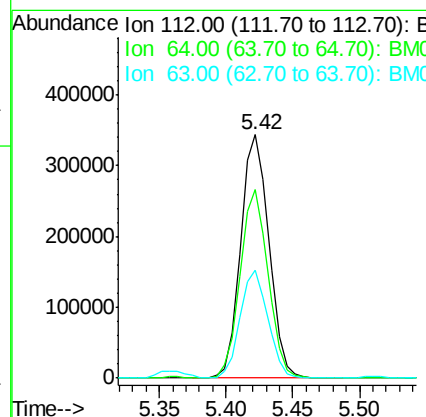
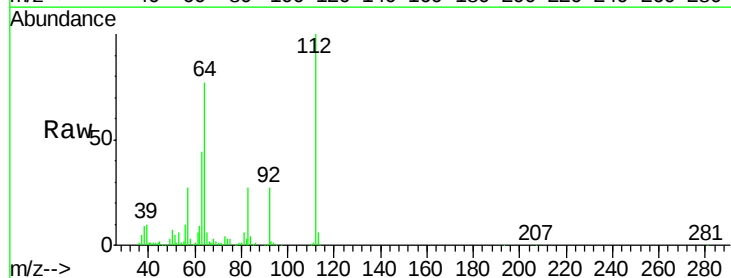
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	119.5	179.3
115	58.8	43.0	64.4

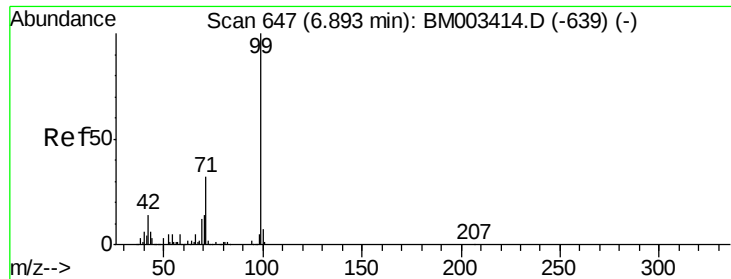


#5

2-Fluorophenol
Concen: 69.38 ng
RT: 5.42 min Scan# 397
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.4	38.6	57.8#
63	44.5	19.3	28.9#





#7

Phenol-d6

Concen: 44.15 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW24D-GW

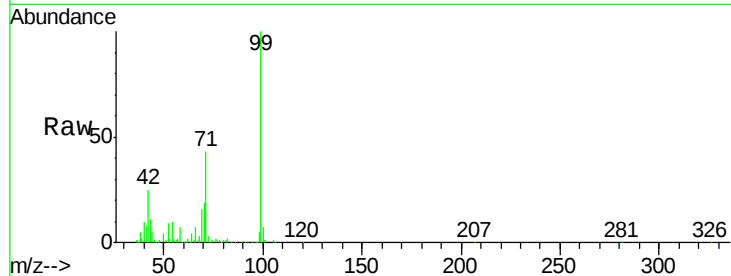
Tot Ion: 99 Resp: 437467

Ion Ratio Lower Upper

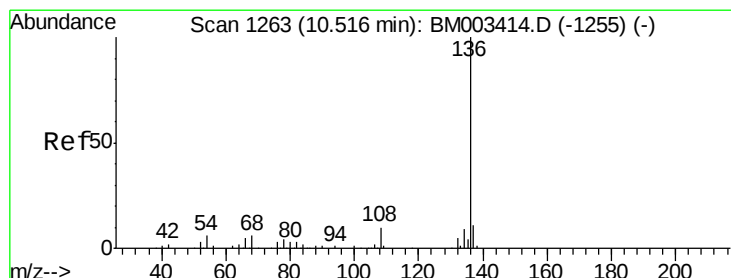
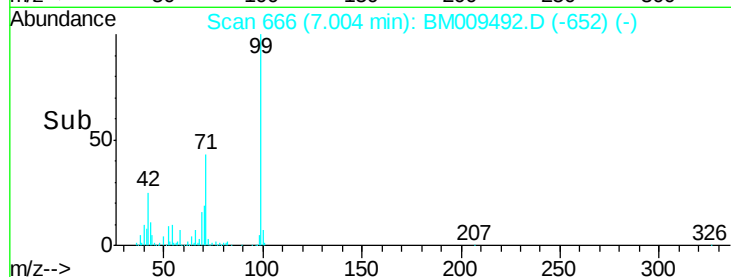
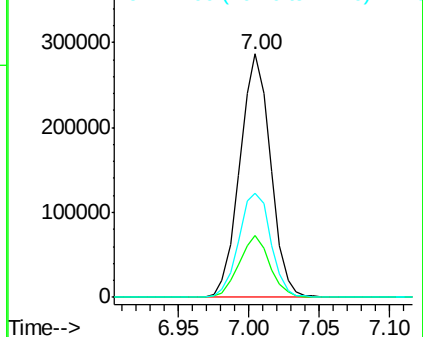
99 100

42 25.3 11.0 16.4#

71 42.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BMC
Ion 42.00 (41.70 to 42.70): BMC
Ion 71.00 (70.70 to 71.70): BMC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

Tgt Ion: 136 Resp: 460293

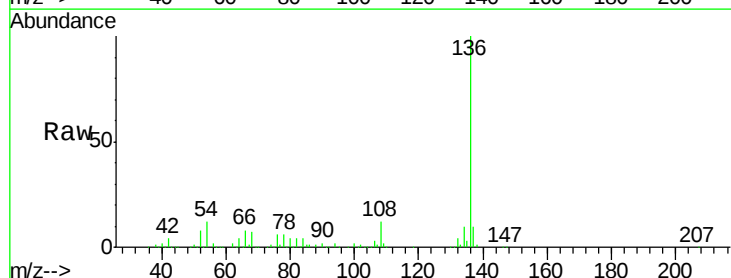
Ion Ratio Lower Upper

136 100

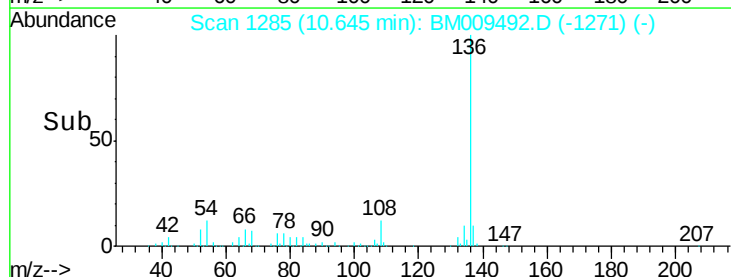
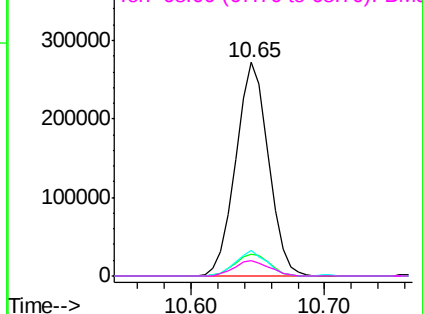
137 9.9 8.7 13.1

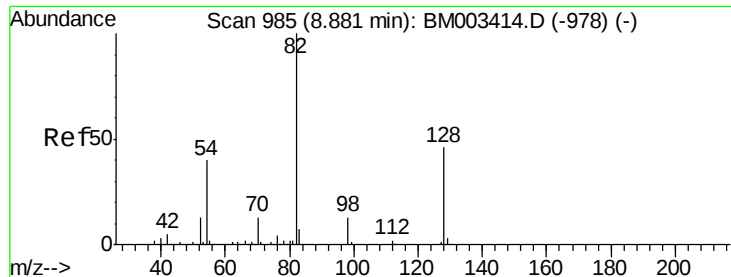
54 11.7 4.6 6.8#

68 7.1 3.7 5.5#



Abundance Ion 136.00 (135.70 to 136.70): BMC
Ion 137.00 (136.70 to 137.70): BMC
Ion 54.00 (53.70 to 54.70): BMC
Ion 68.00 (67.70 to 68.70): BMC

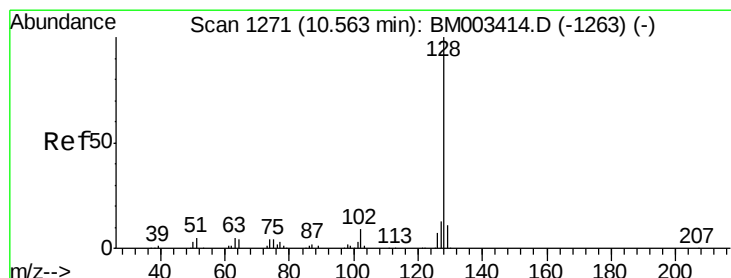
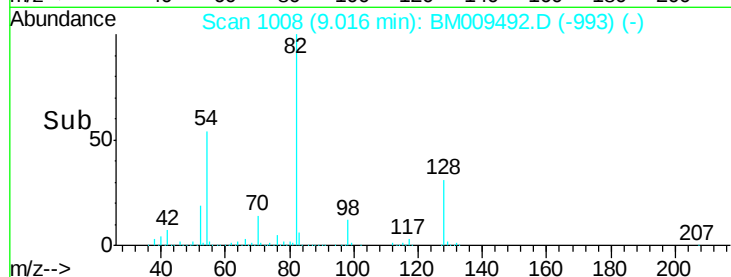
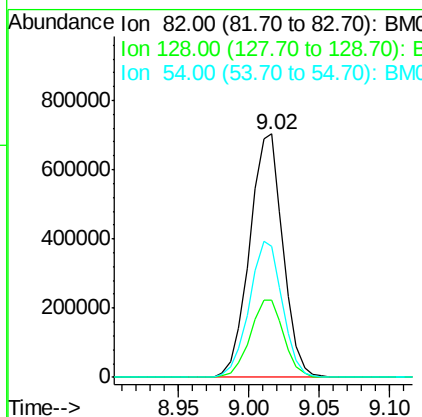
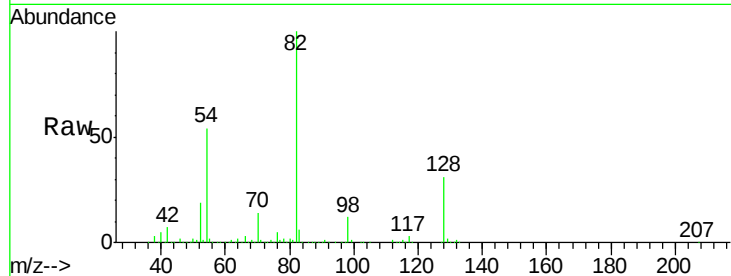




#23
 Nitrobenzene-d5
 Concen: 94.74 ng
 RT: 9.02 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

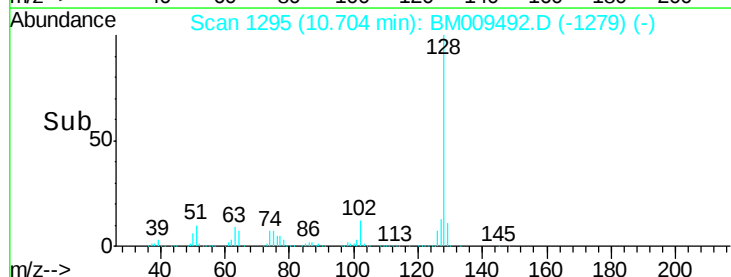
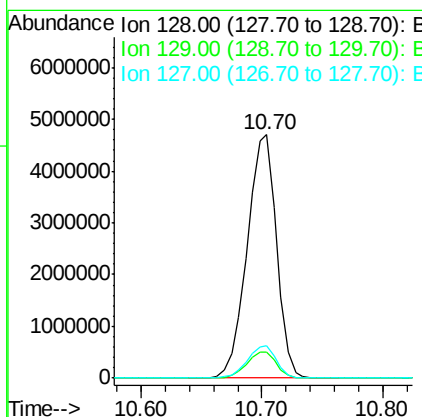
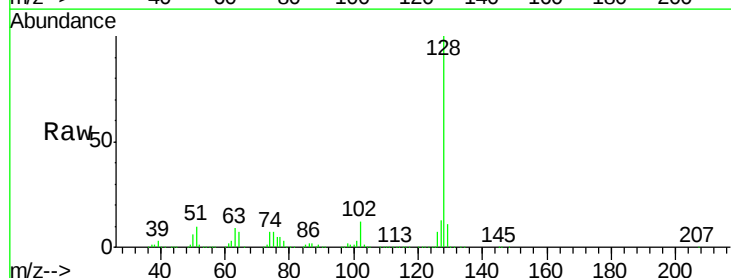
Instrument :
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 QNWP8-MW24D-GW

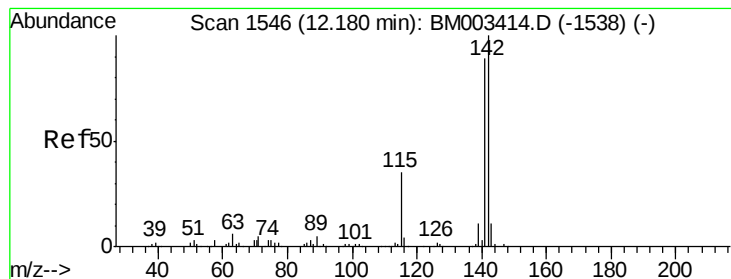
Tot Ion: 82 Resp: 1163120
 Ion Ratio Lower Upper
 82 100
 128 31.5 32.8 49.2#
 54 53.9 40.6 60.8



#31
 Naphthalene
 Concen: 326.15 ng
 RT: 10.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

Tgt Ion:128 Resp: 7968081
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.9 13.3
 127 13.1 10.4 15.6





#37

2-Methylnaphthalene

Concen: 2.87 ng

RT: 12.30 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW24D-GW

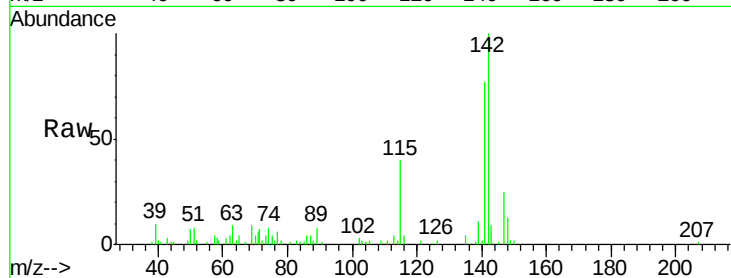
Tot Ion:142 Resp: 48437

Ion Ratio Lower Upper

142 100

141 76.9 71.9 107.9

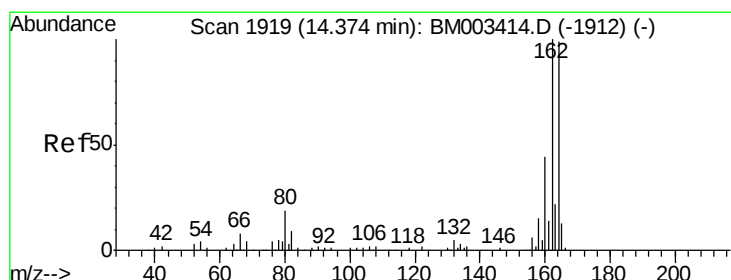
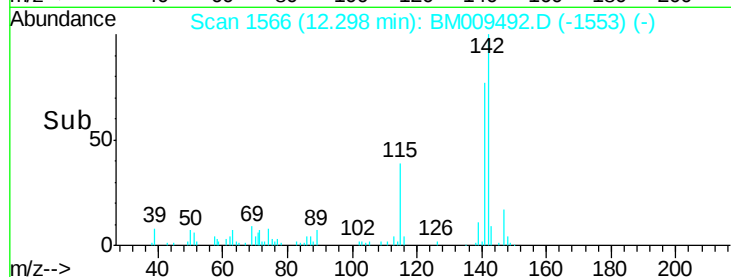
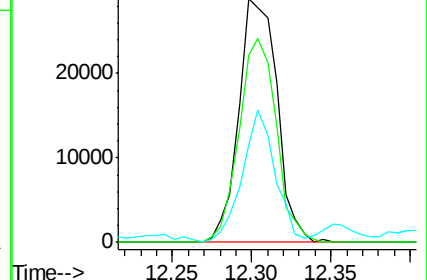
115 40.3 25.4 38.0#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

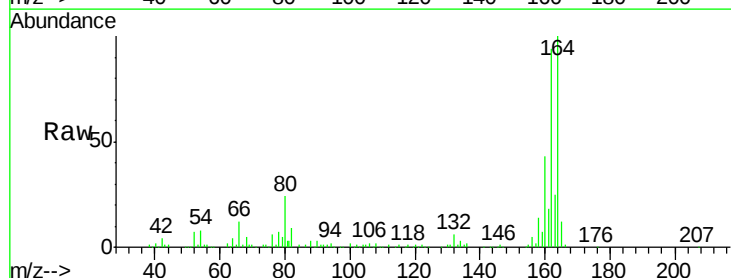
Tgt Ion:164 Resp: 282296

Ion Ratio Lower Upper

164 100

162 94.0 82.4 123.6

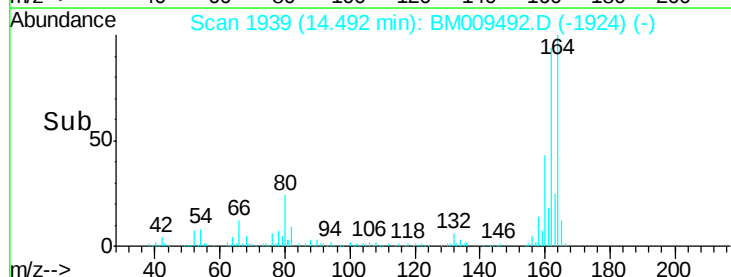
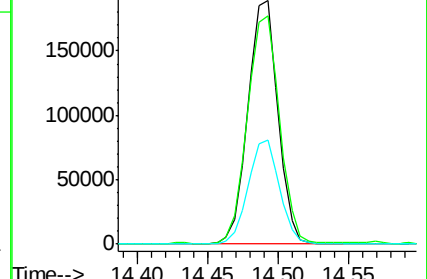
160 42.9 35.8 53.6

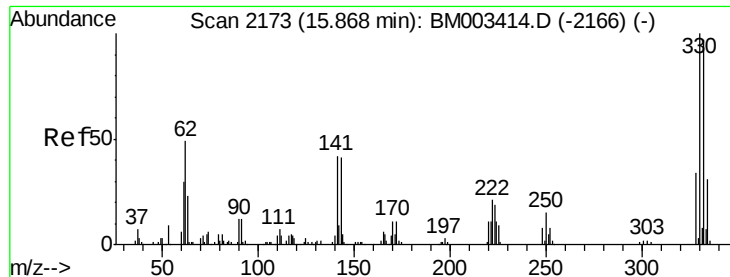


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

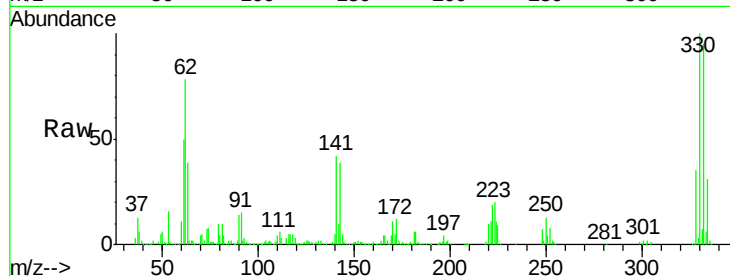




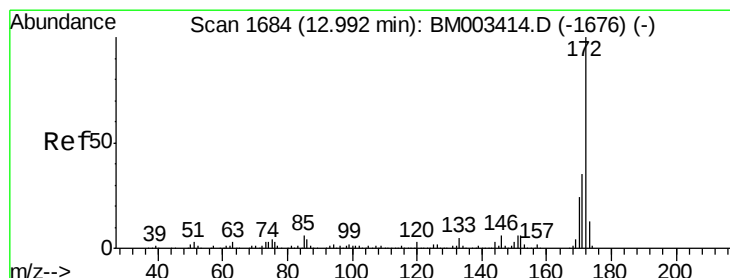
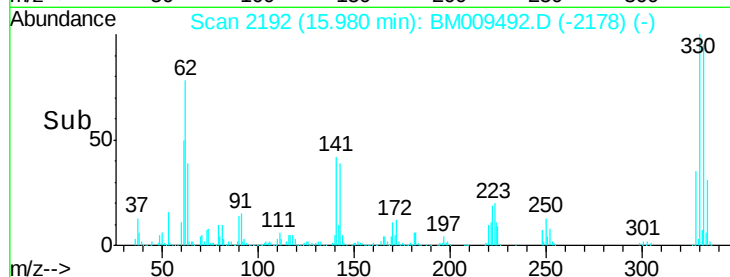
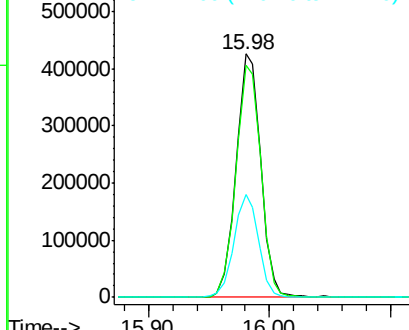
#41
 2,4,6-Tribromophenol
 Concen: 172.92 ng
 RT: 15.98 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

Instrument :
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Tot Ion:330 Resp: 606424
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 41.9 0.0 0.0#

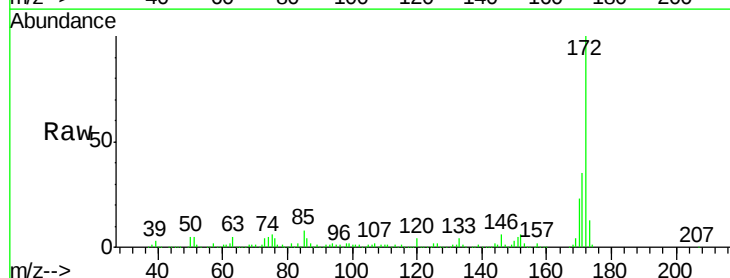


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

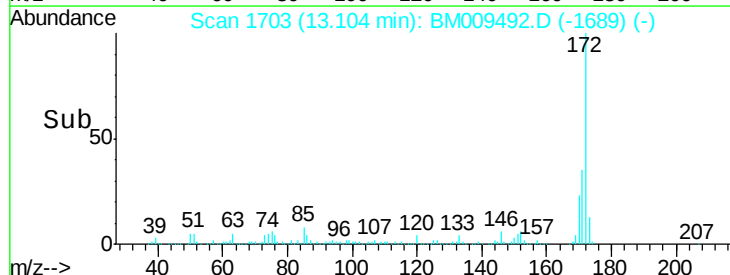
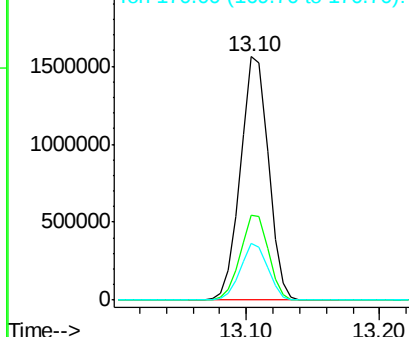


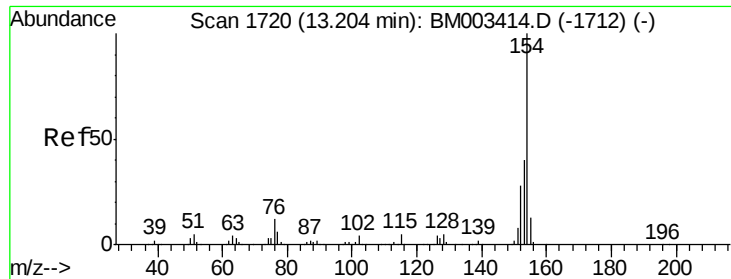
#44
 2-Fluorobiphenyl
 Concen: 96.78 ng
 RT: 13.10 min Scan# 1703
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

Tgt Ion:172 Resp: 2267278
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.1 18.8 28.2



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

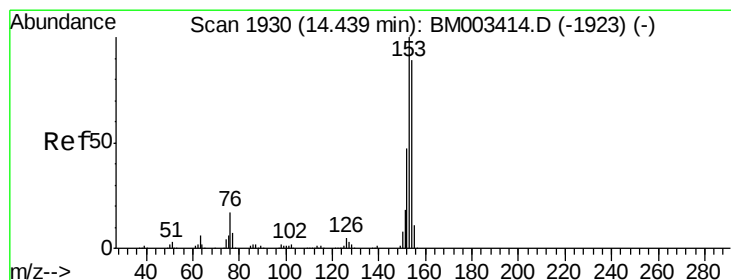
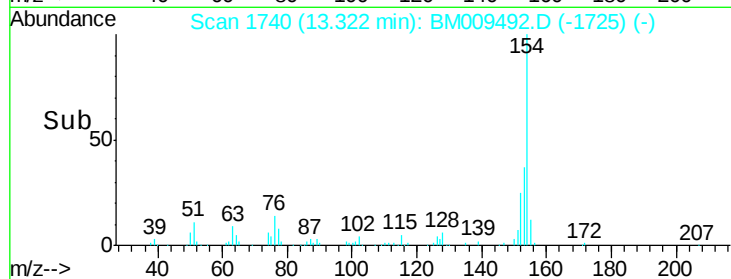
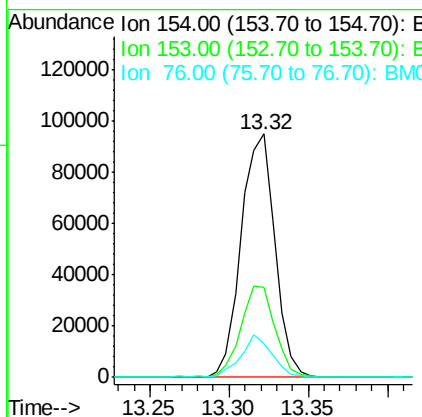
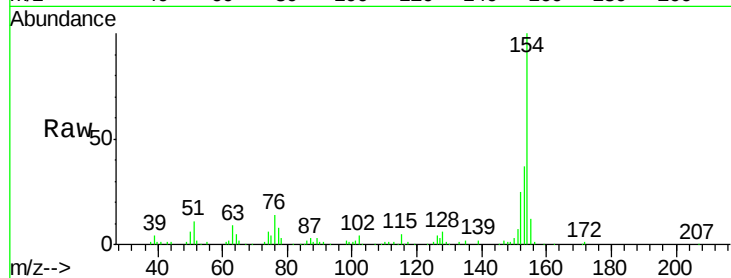




#45
1,1'-Biphenyl
Concen: 5.97 ng
RT: 13.32 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

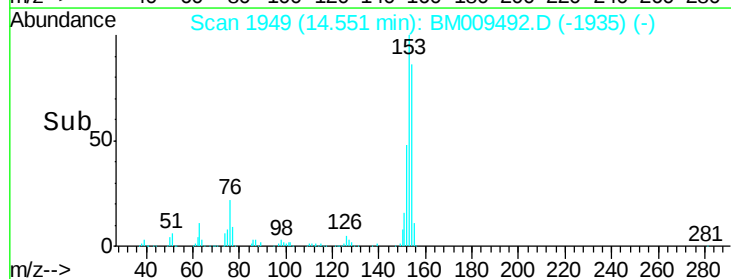
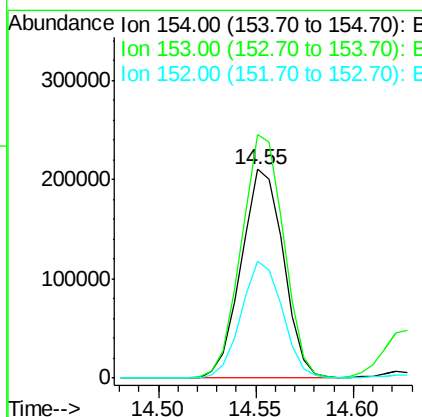
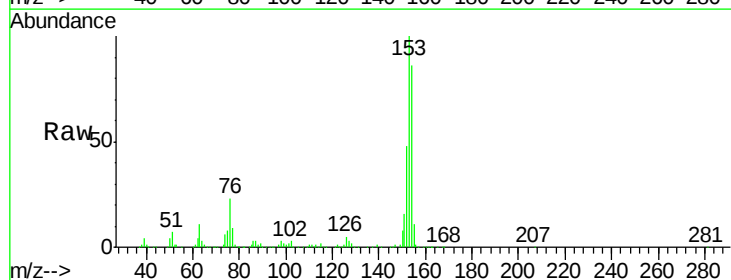
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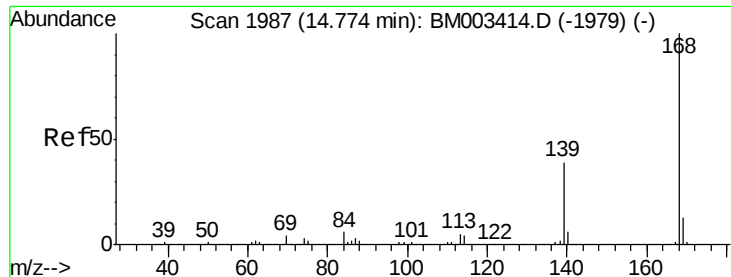
Tot Ion:154 Resp: 140298
Ion Ratio Lower Upper
154 100
153 37.2 20.7 60.7
76 14.1 0.0 30.9



#51
Acenaphthene
Concen: 17.63 ng
RT: 14.55 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Tgt Ion:154 Resp: 316250
Ion Ratio Lower Upper
154 100
153 116.6 90.0 135.0
152 56.0 42.6 63.8

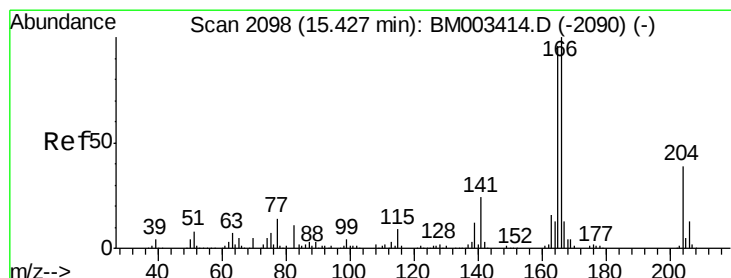
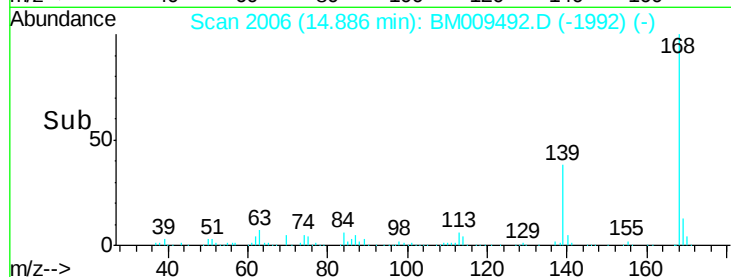
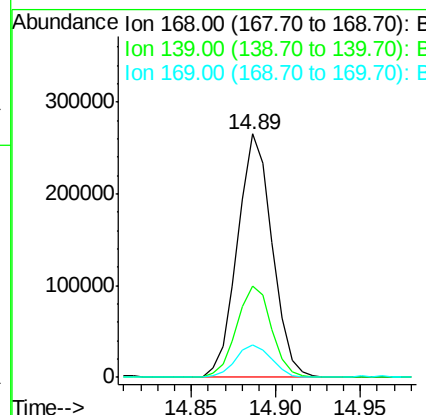
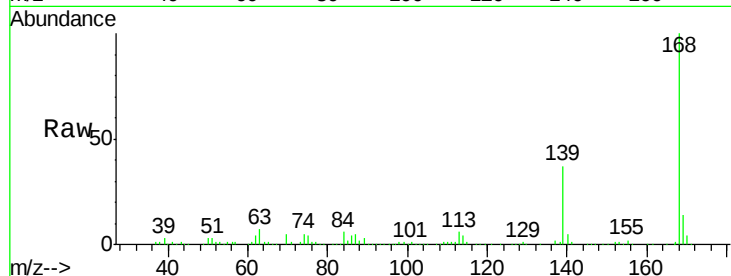




#54
Dibenzo[a,h]anthracene
Concen: 14.33 ng
RT: 14.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

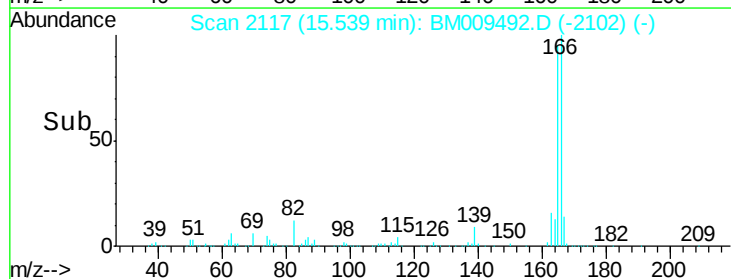
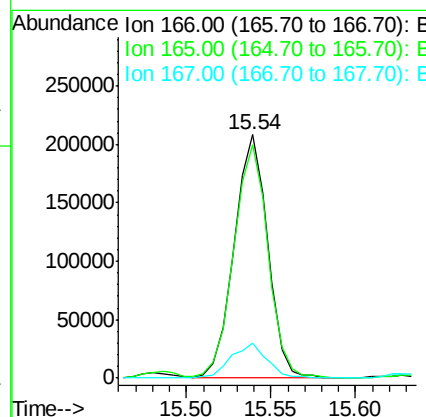
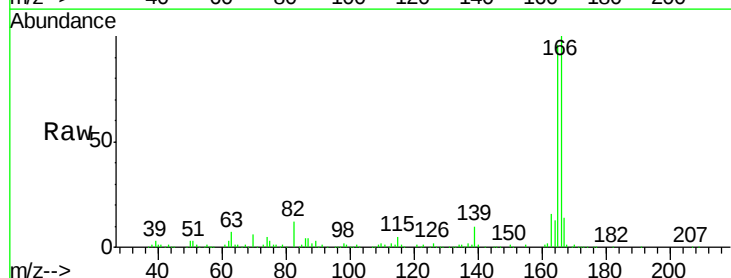
Instrument :
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QNWP8-MW24D-GW

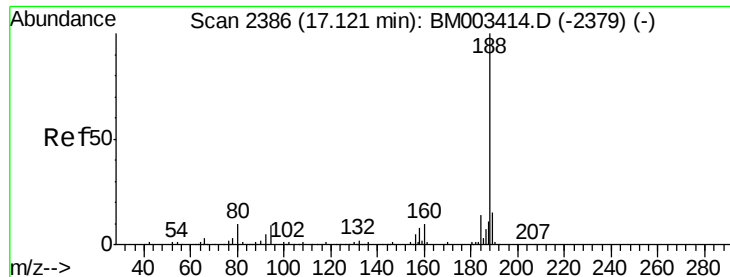
Tot Ion:168 Resp: 380165
Ion Ratio Lower Upper
168 100
139 37.5 27.3 40.9
169 13.5 10.6 16.0



#57
Fluorene
Concen: 12.09 ng
RT: 15.54 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Tgt Ion:166 Resp: 288295
Ion Ratio Lower Upper
166 100
165 95.7 79.0 118.4
167 14.1 10.3 15.5

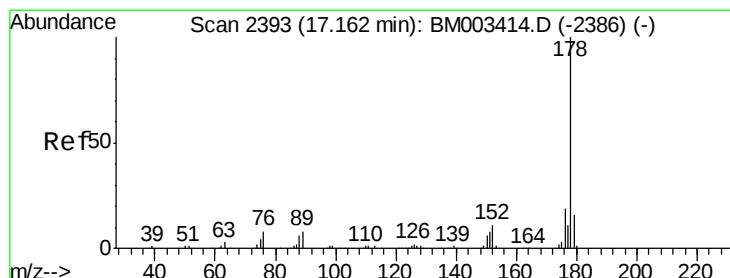
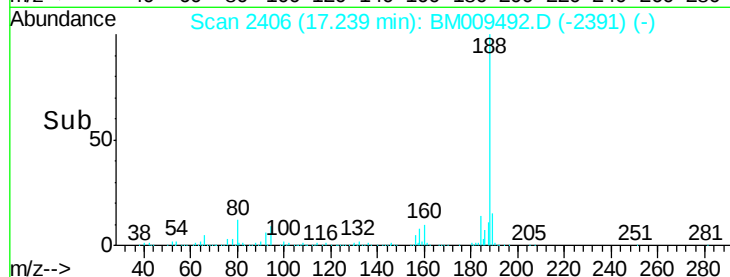
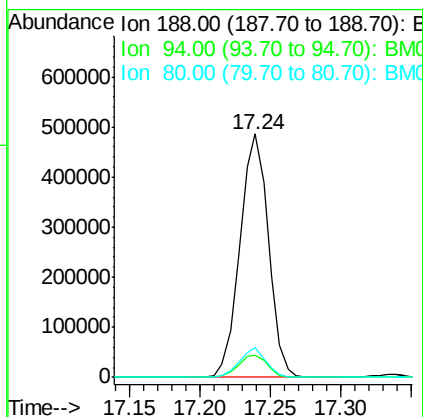
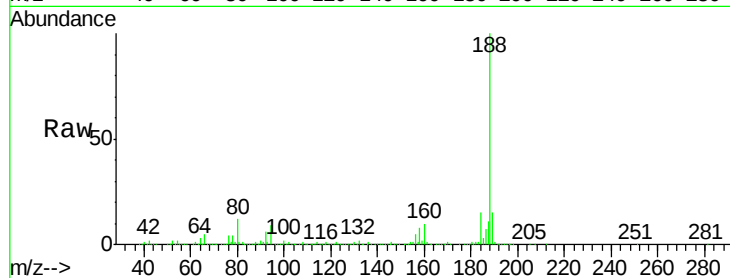




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

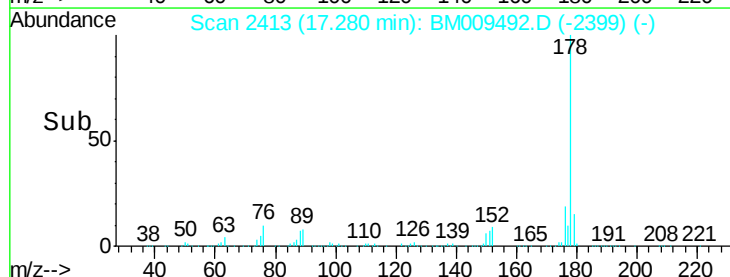
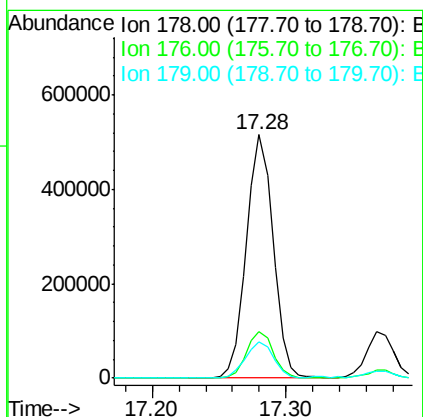
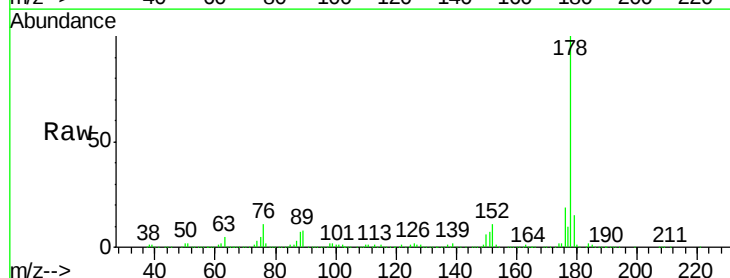
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW24D-GW

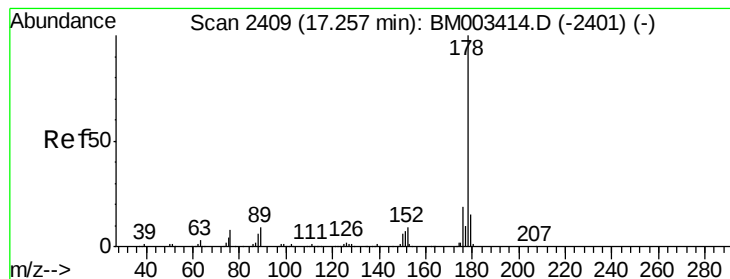
Tot Ion:188 Resp: 686745
Ion Ratio Lower Upper
188 100
94 9.3 8.7 13.1
80 12.1 9.3 13.9



#70
Phenanthrene
Concen: 18.15 ng
RT: 17.28 min Scan# 2413
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Tgt Ion:178 Resp: 712800
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.9 12.1 18.1





#71

Anthracene

Concen: 3.35 ng

RT: 17.37 min Scan# 2428

Delta R.T. -0.02 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW24D-GW

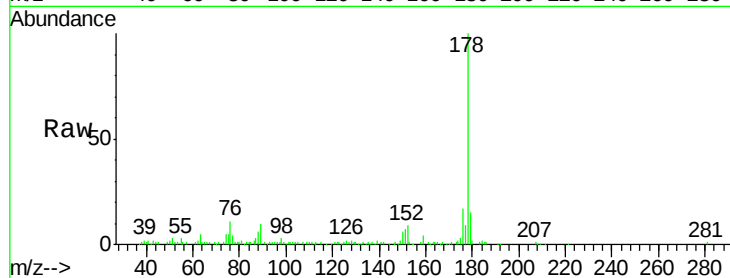
Tot Ion:178 Resp: 133071

Ion Ratio Lower Upper

178 100

176 16.7 14.6 22.0

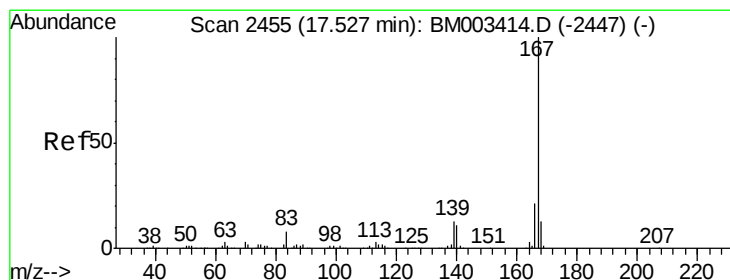
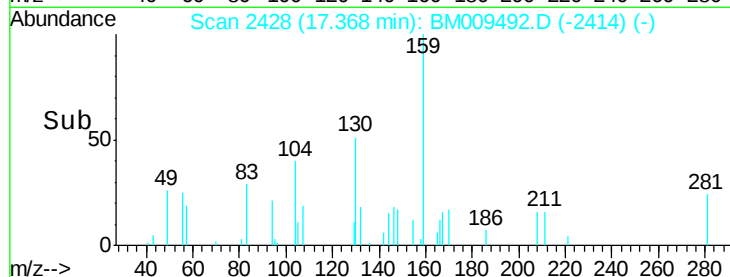
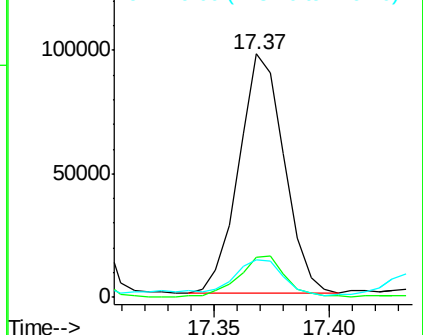
179 15.4 12.6 19.0



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



#72

Carbazole

Concen: 5.77 ng

RT: 17.64 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

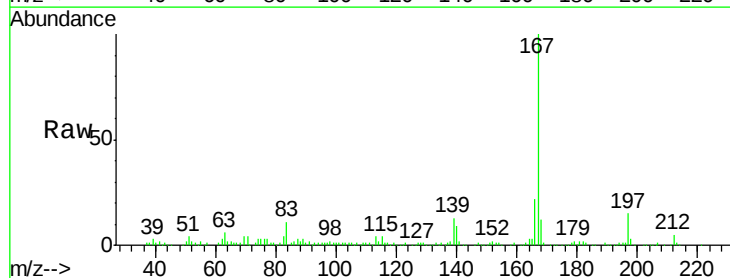
Tgt Ion:167 Resp: 219699

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

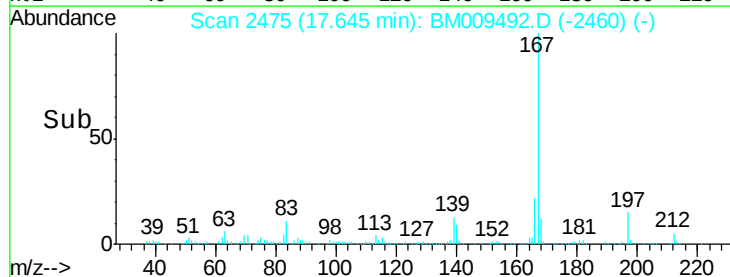
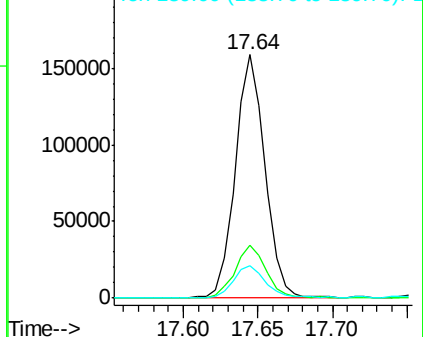
139 13.3 10.8 16.2

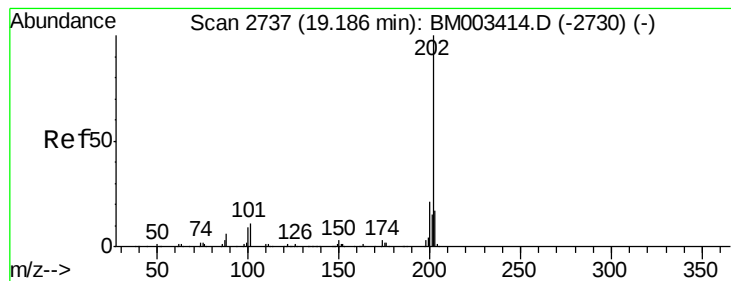


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 3.73 ng

RT: 19.29 min Scan# 2755

Delta R.T. -0.02 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW24D-GW

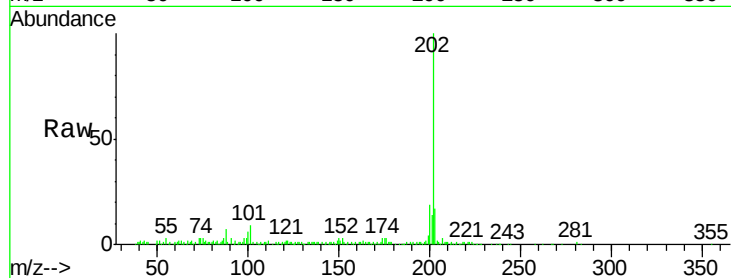
Tot Ion:202 Resp: 173614

Ion Ratio Lower Upper

202 100

101 9.5 0.0 28.7

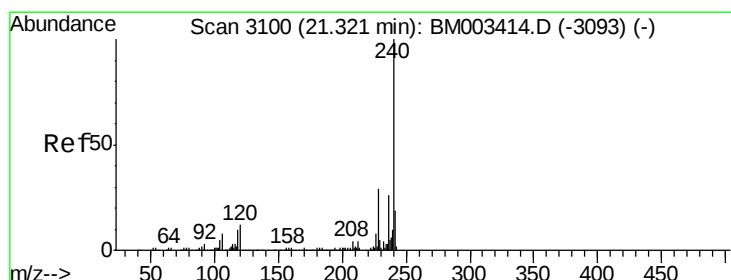
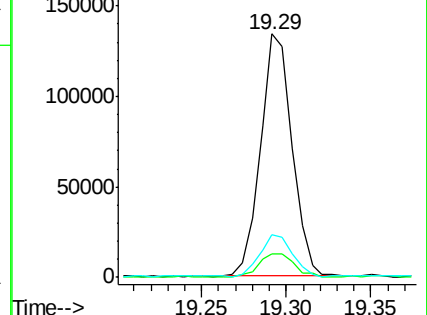
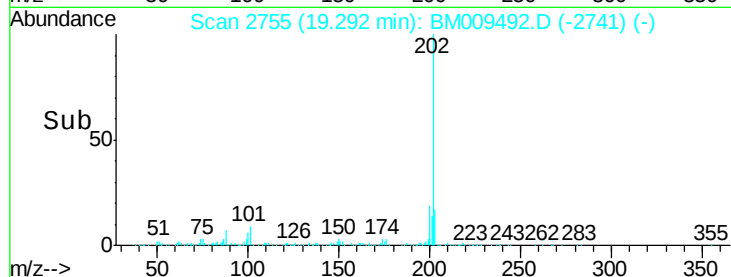
203 17.4 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BM009492.D

Acq: 01 Apr 2017 02:07

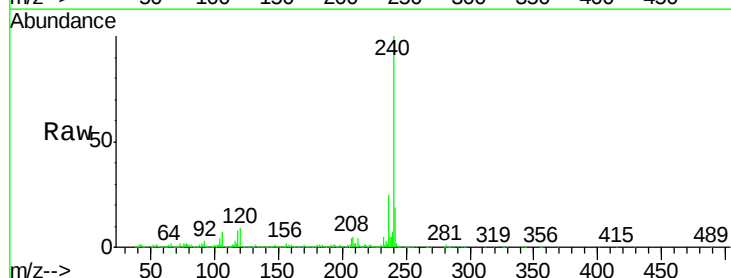
Tgt Ion:240 Resp: 929446

Ion Ratio Lower Upper

240 100

120 8.7 8.2 12.2

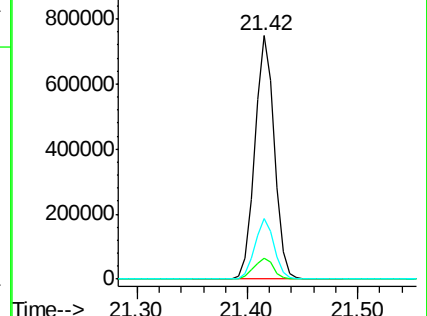
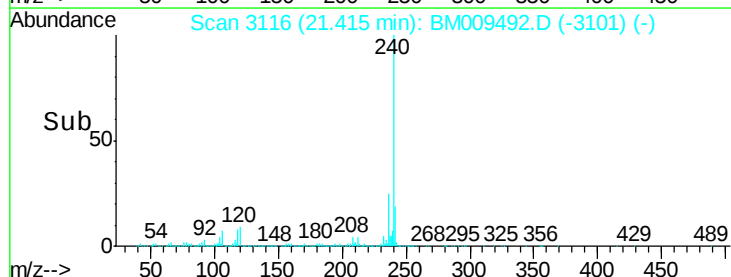
236 24.6 20.0 30.0

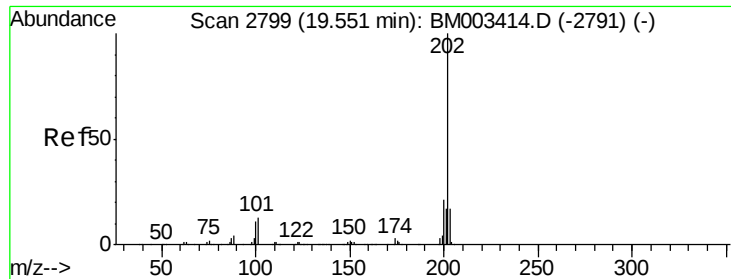


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

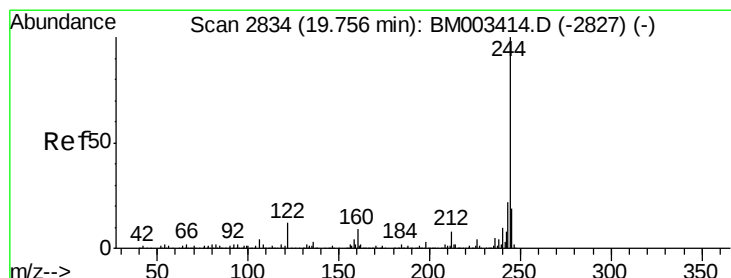
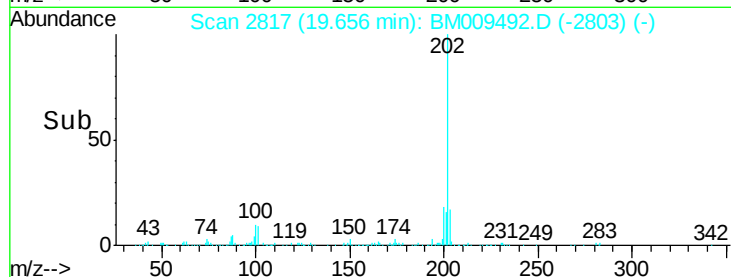
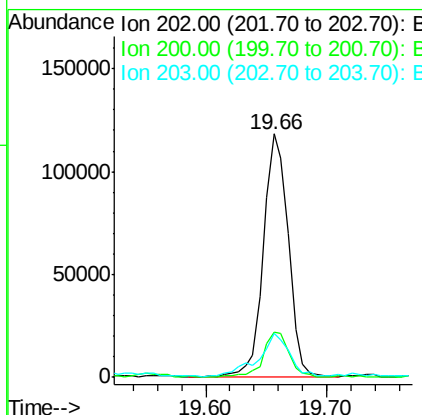
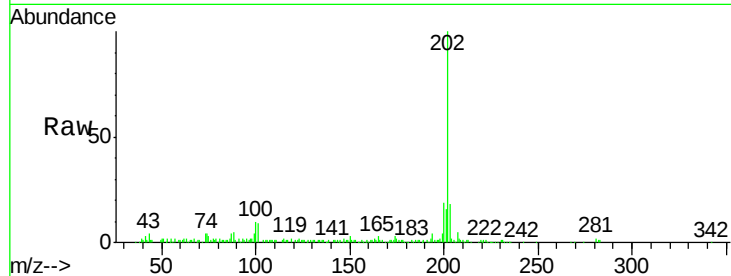




#77
Pvrene
Concen: 3.22 ng
RT: 19.66 min Scan# 2817
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

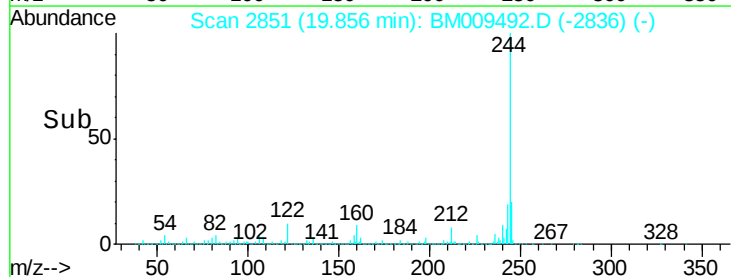
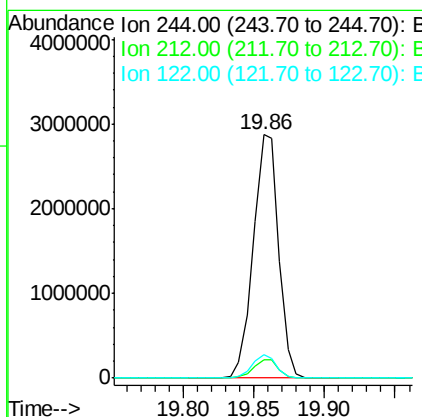
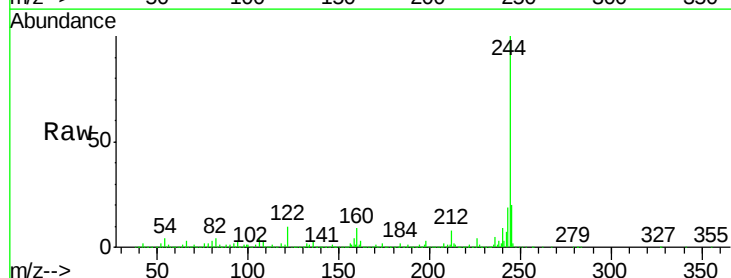
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW24D-GW

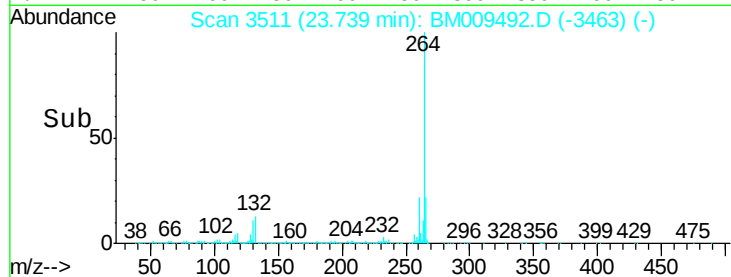
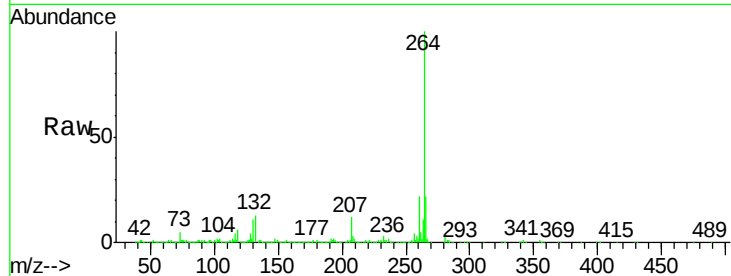
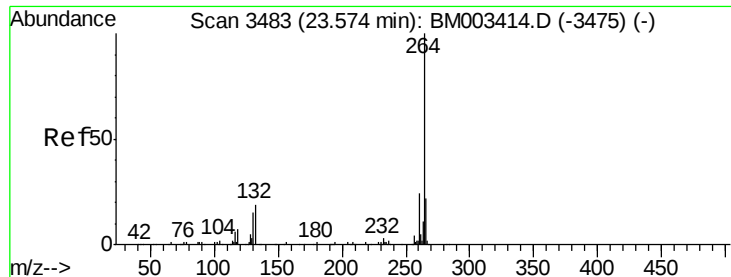
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.6	16.9	25.3
203	18.0	14.1	21.1



#78
Terphenyl-d14
Concen: 81.70 ng
RT: 19.86 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.9	7.3#
122	9.5	6.2	9.4#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.74 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

Instrument :
BNA_M
ClientSampleId :
QNWP8-MW24D-GW

Tot Ion:	264	Resp:	865835
Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.6	27.8
265	22.0	17.3	25.9

