

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

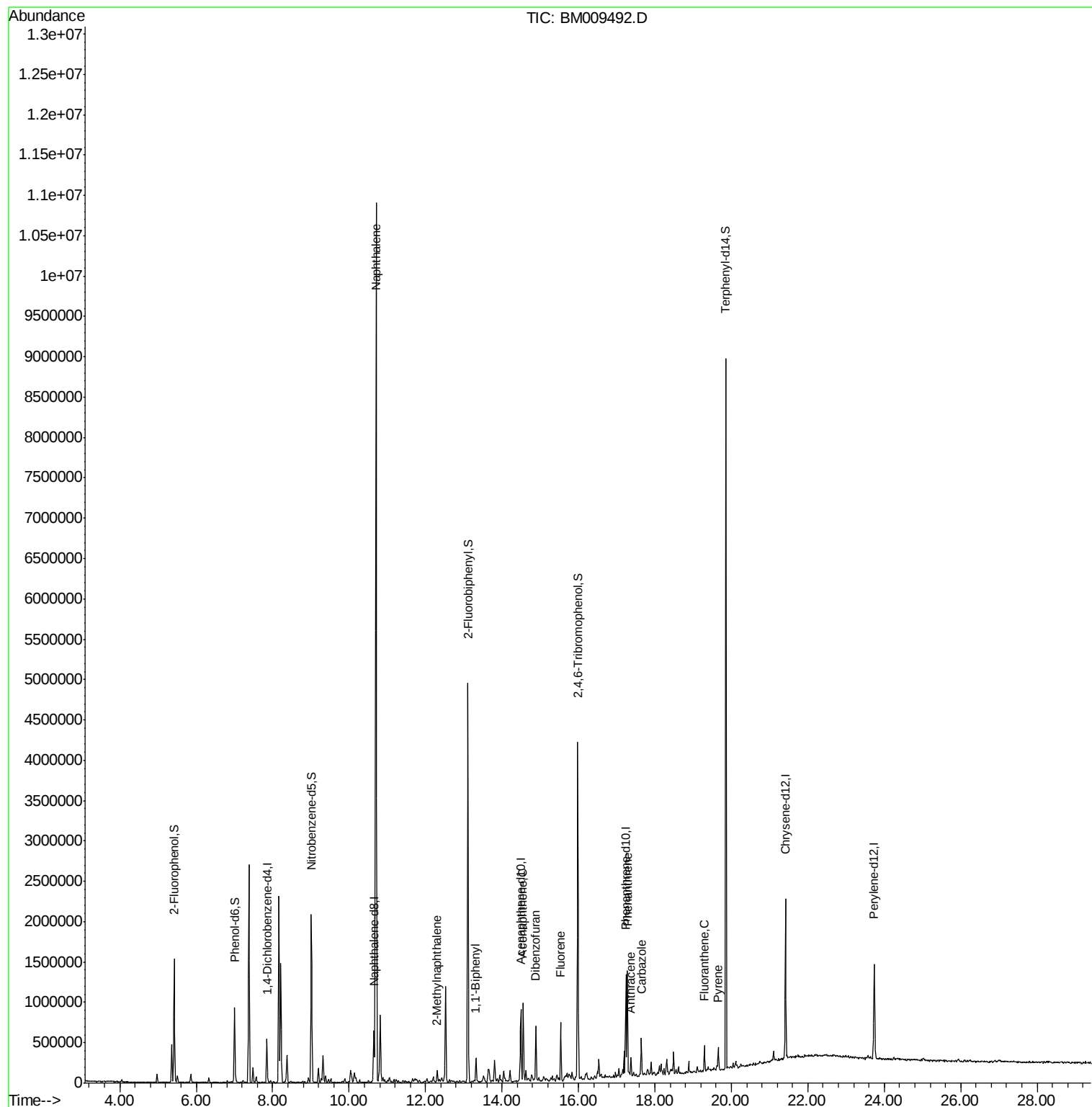
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	121120	20.00	ng	-0.02
21) Naphthalene-d8	10.65	136	460293	20.00	ng	-0.02
38) Acenaphthene-d10	14.49	164	282296	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	686745	20.00	ng	-0.01
75) Chrysene-d12	21.42	240	929446	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

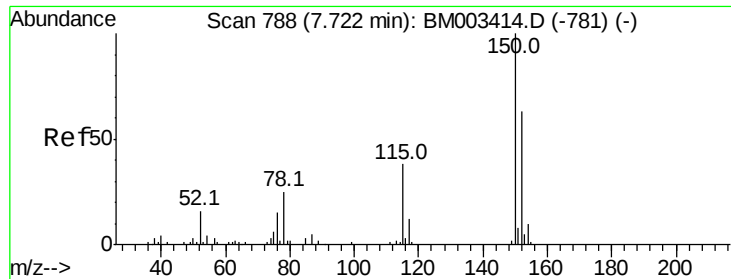
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

BNA_M

ClientSampleId :

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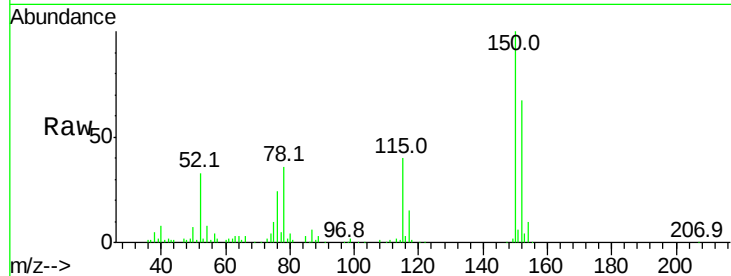
Tot Ion:152 Resp: 121120

Ion Ratio Lower Upper

152 100

150 148.2 119.5 179.3

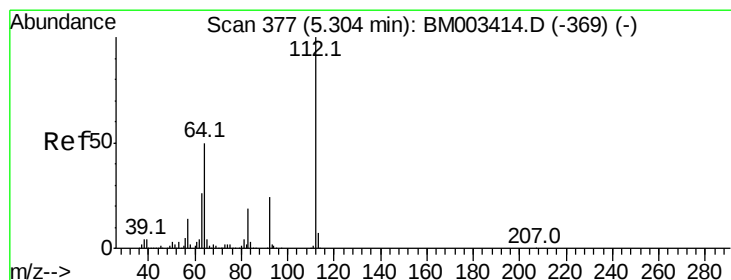
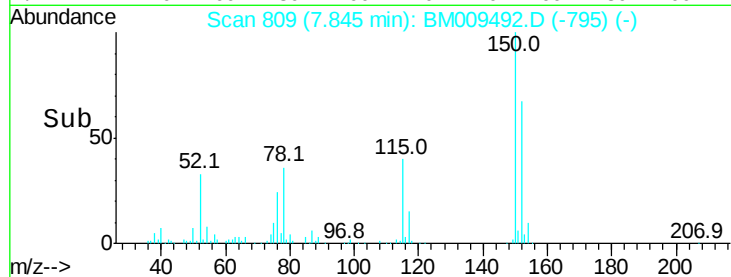
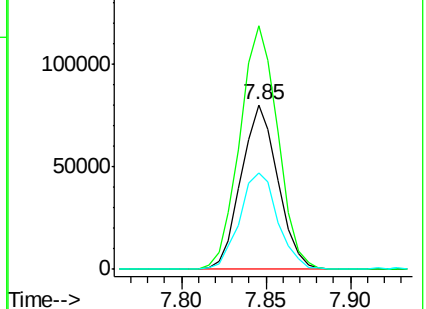
115 58.8 43.0 64.4



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



#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

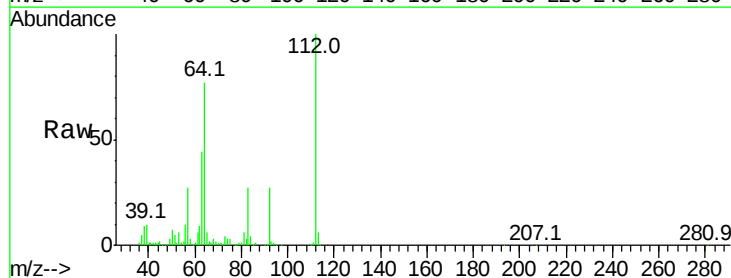
Tgt Ion:112 Resp: 504134

Ion Ratio Lower Upper

112 100

64 77.4 38.6 57.8#

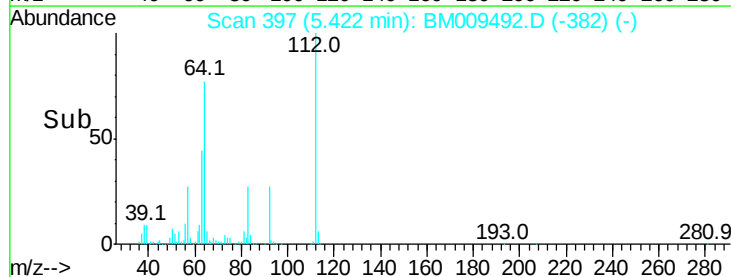
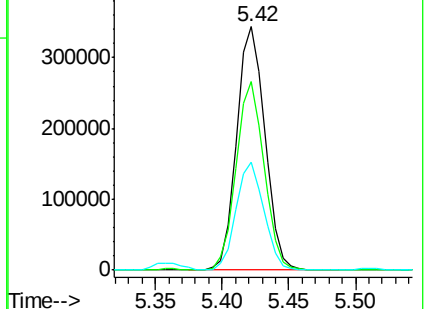
63 44.5 19.3 28.9#

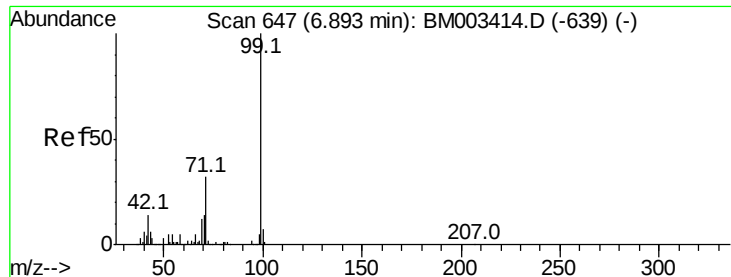


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#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 :

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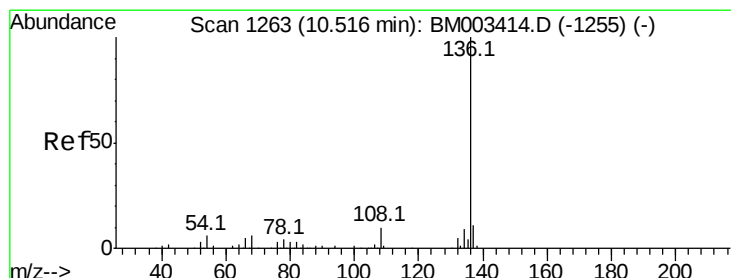
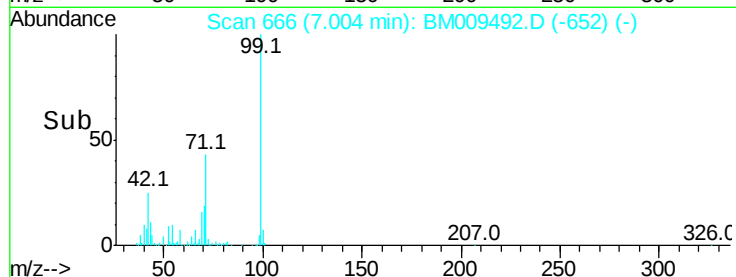
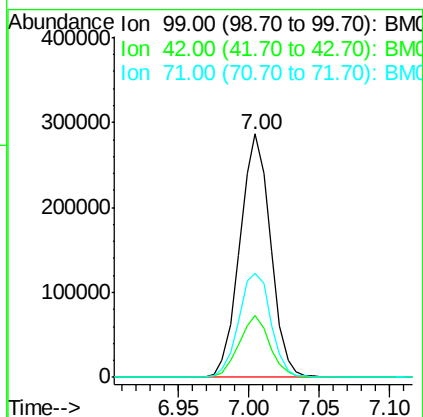
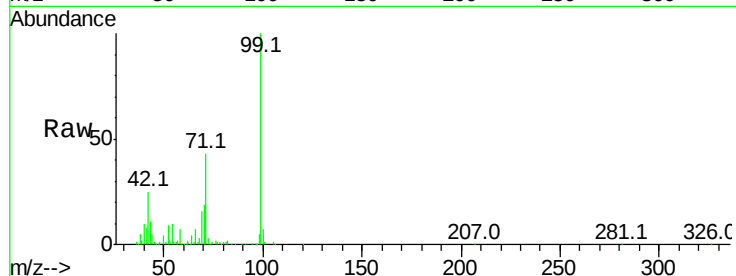
Tot Ion: 99 Resp: 437467

Ion Ratio Lower Upper

99 100

42 25.3 11.0 16.4#

71 42.6 23.4 35.2#



#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

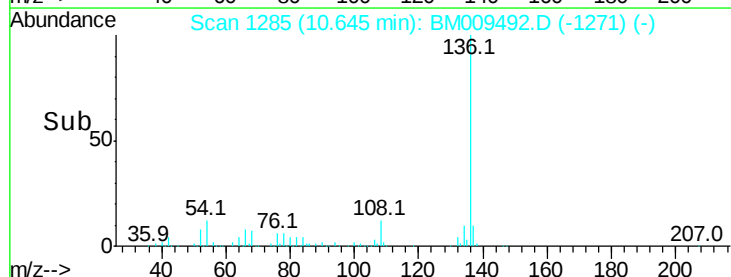
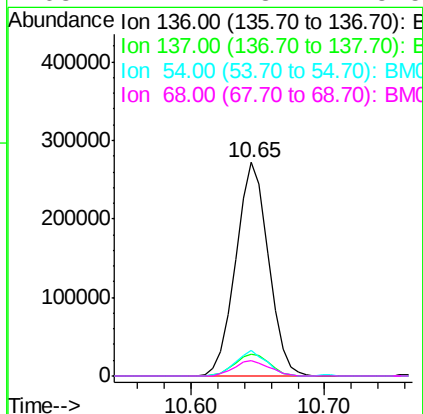
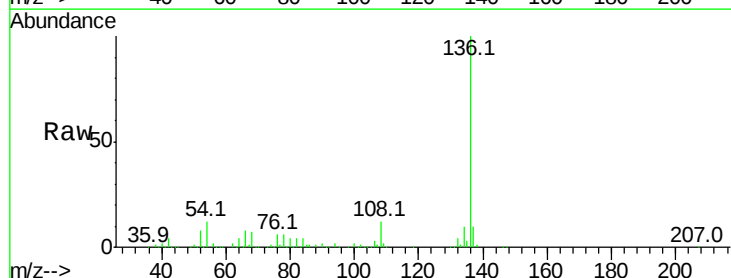
Ion Ratio Lower Upper

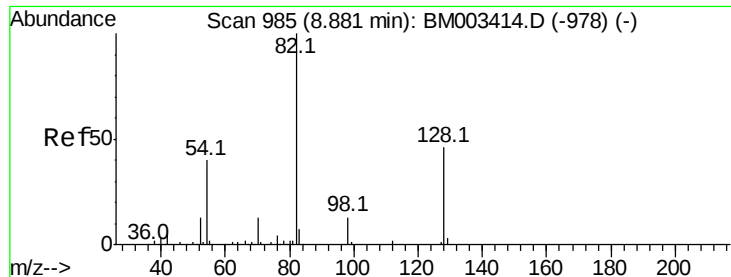
136 100

137 9.9 8.7 13.1

54 11.7 4.6 6.8#

68 7.1 3.7 5.5#

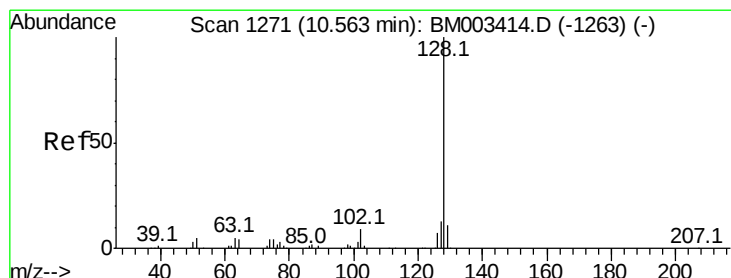
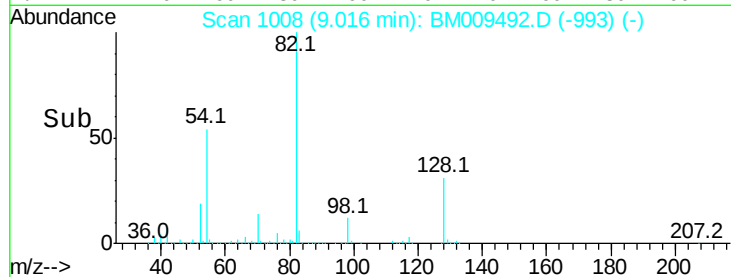
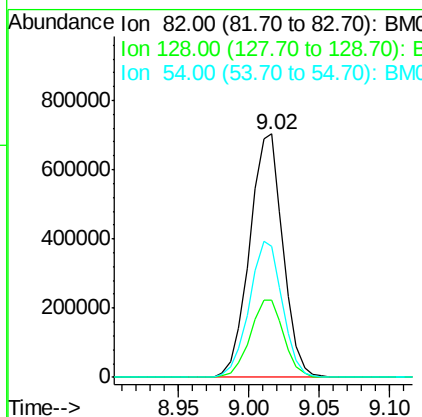
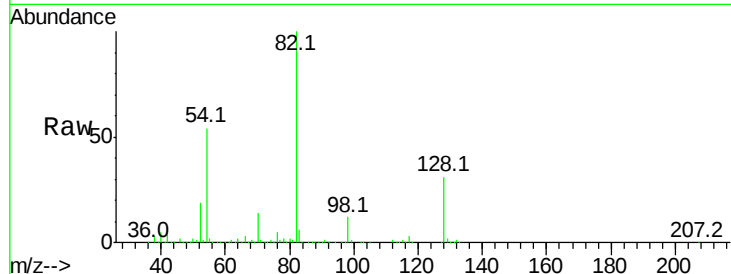




#23
 Nitrobenzene-d5
 Concen: 94.74 ng
 RT: 9.02 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

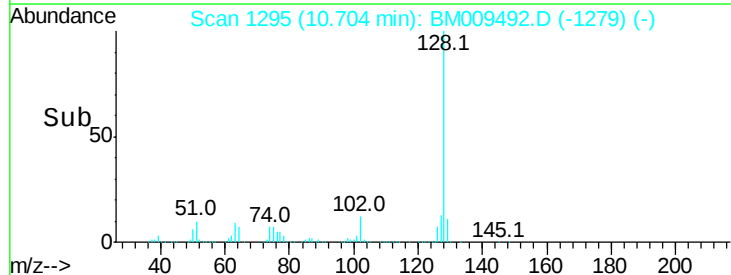
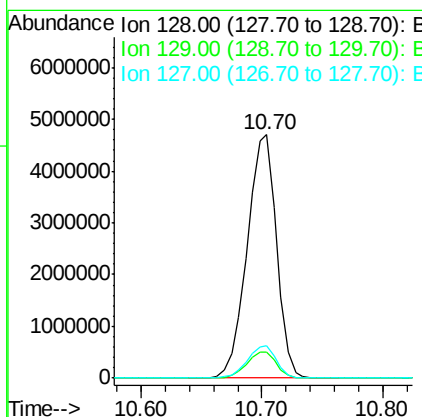
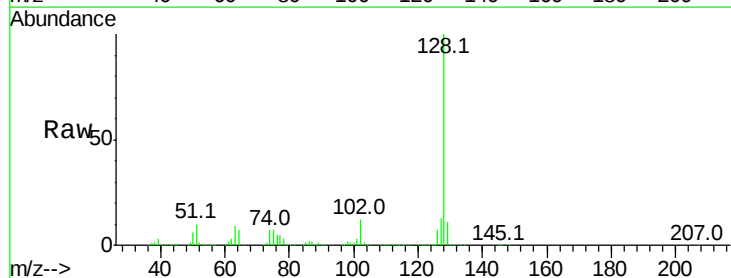
Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW24D-GW

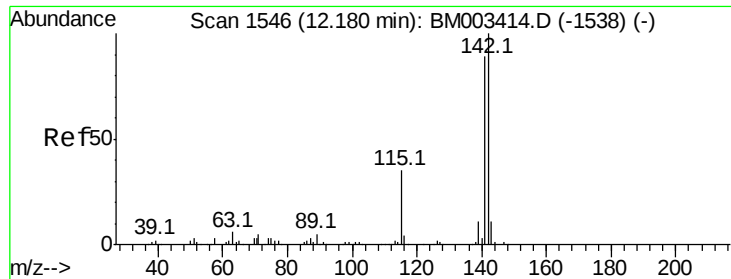
Tot Ion: 82 Resp: 1163120
 Ion Ratio Lower Upper
 82 100
 128 31.5 32.8 49.2#
 54 53.9 40.6 60.8



#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

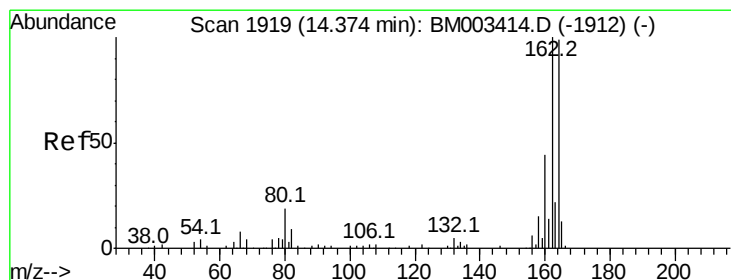
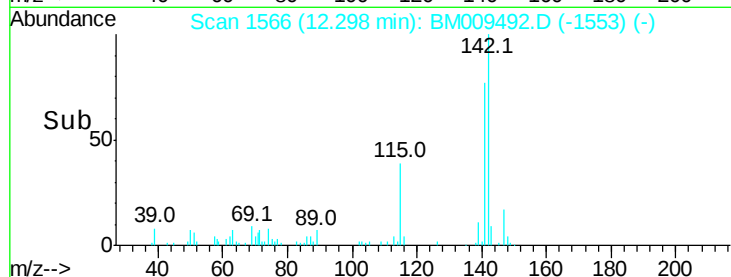
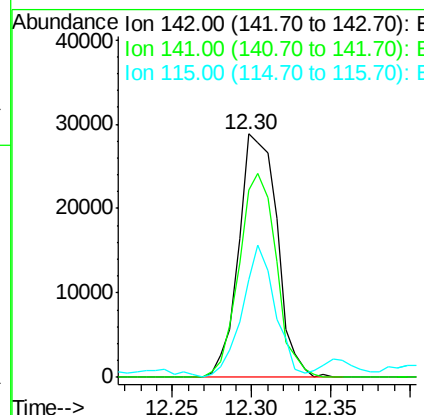
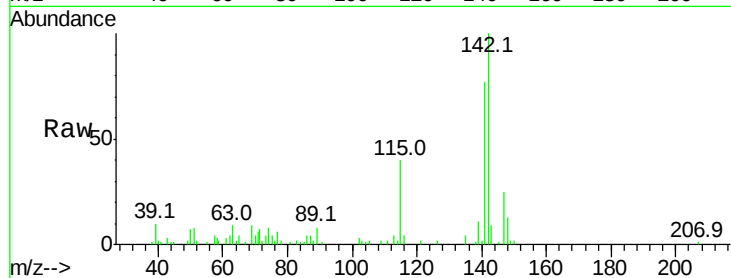
Lab File: BM009492.D

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1939

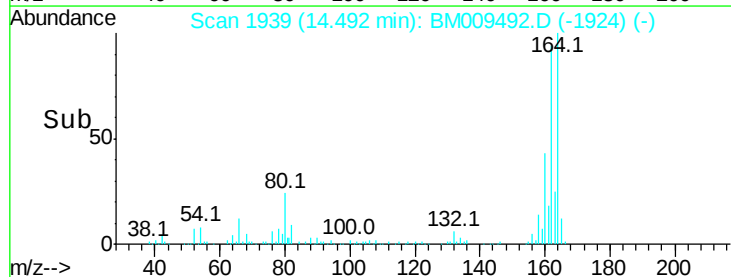
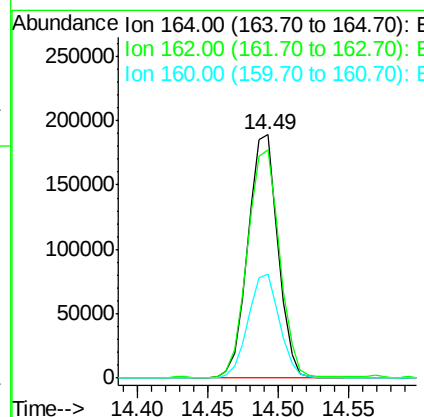
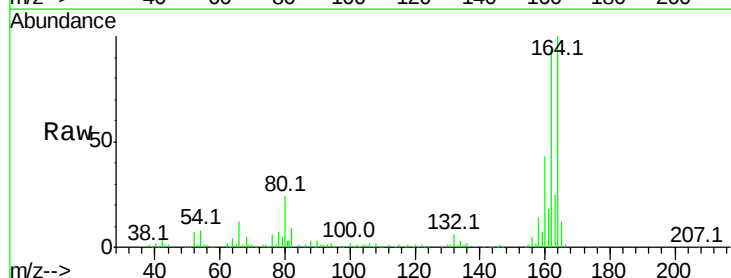
Delta R.T. -0.01 min

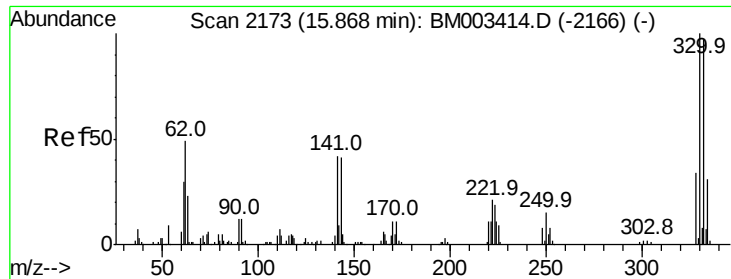
Lab File: BM009492.D

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

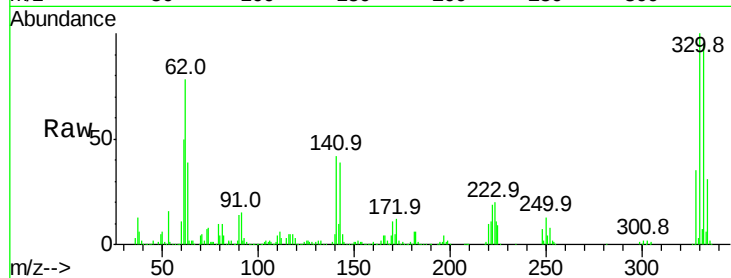




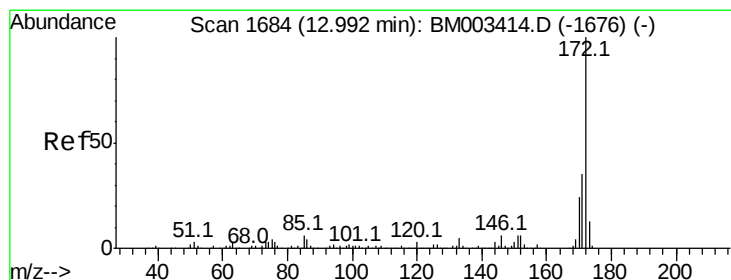
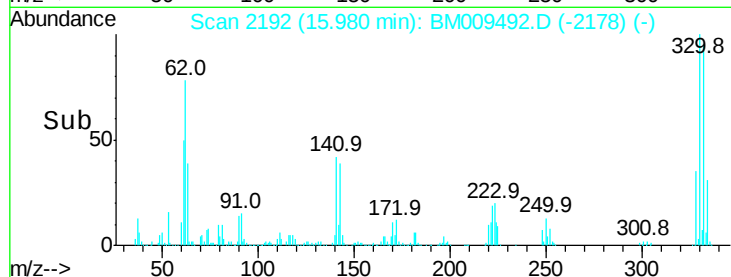
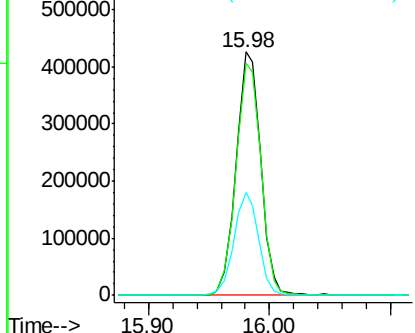
#41
 2,4,6-Tribromophenol
 Concen: 172.92 ng
 RT: 15.98 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

Instrument :
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 ClientSampleId :
 QNWP8-MW24D-GW

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#

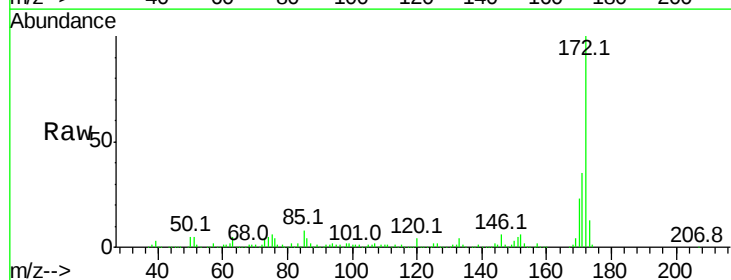


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

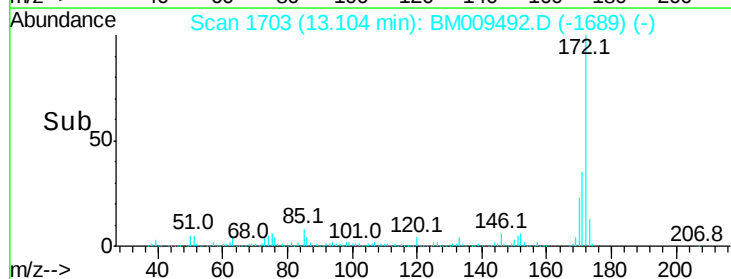
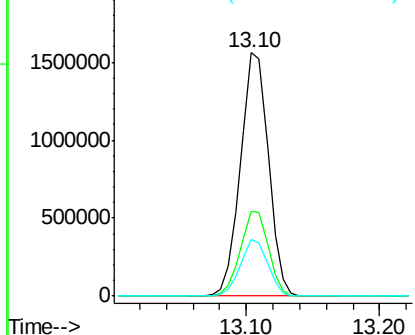


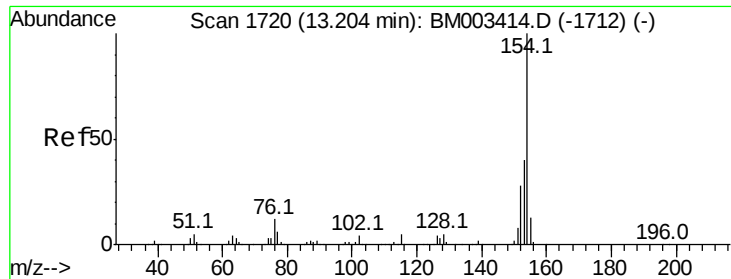
#44
 2-Fluorobiphenyl
 Concen: 96.78 ng
 RT: 13.10 min Scan# 1703
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

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

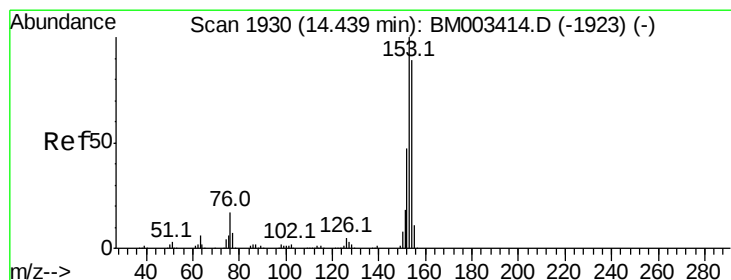
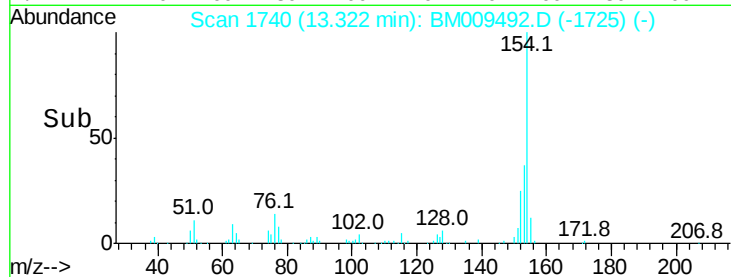
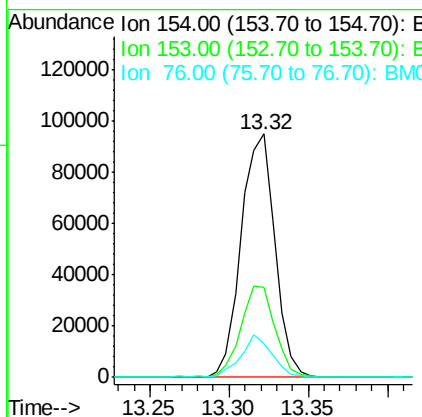
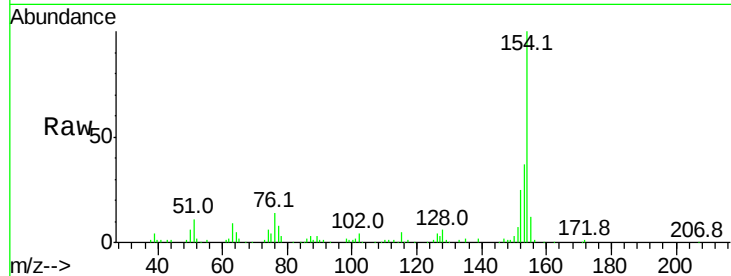




#45
 1,1'-Biphenyl
 Concen: 5.97 ng
 RT: 13.32 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

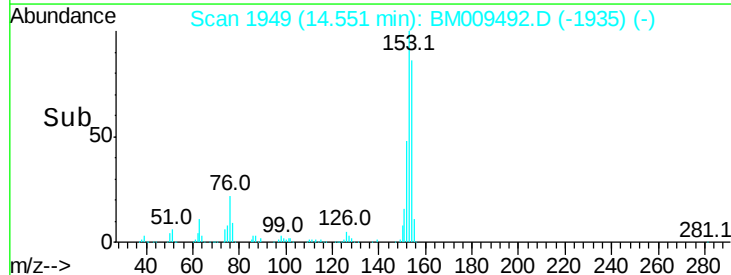
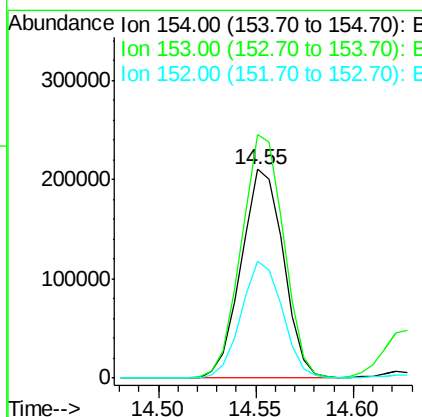
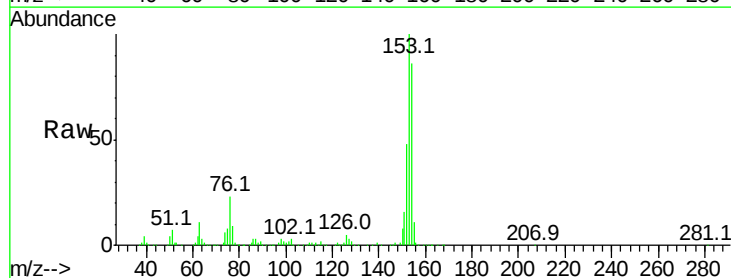
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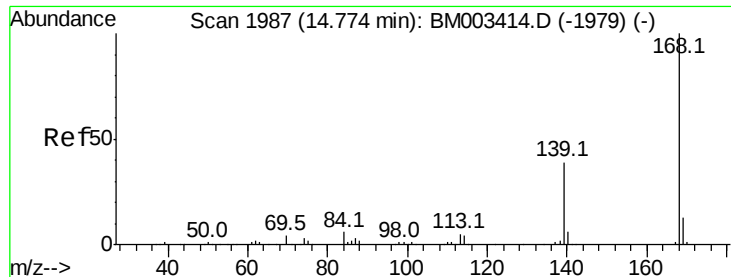
Tot Ion:154 Resp: 140298
 Ion Ratio Lower Upper
 154 100
 153 37.2 20.7 60.7
 76 14.1 0.0 30.9



#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

Dibenzofuran

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 :

BNA_M

ClientSampleId :

QNWP8-MW24D-GW

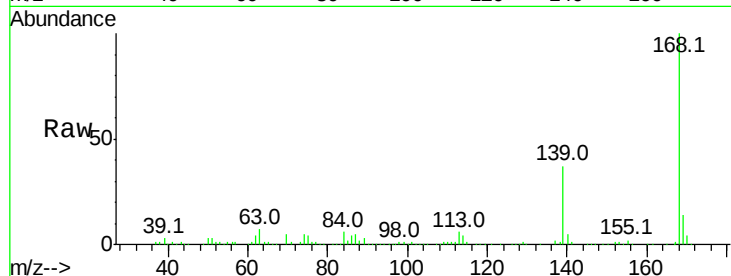
Tot Ion:168 Resp: 380165

Ion Ratio Lower Upper

168 100

139 37.5 27.3 40.9

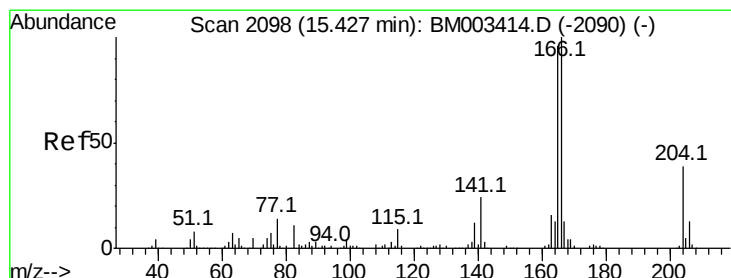
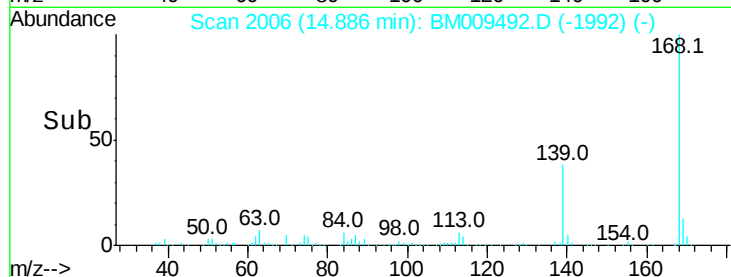
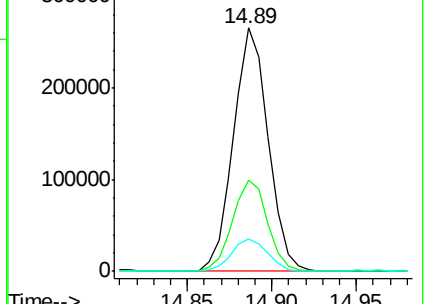
169 13.5 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#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

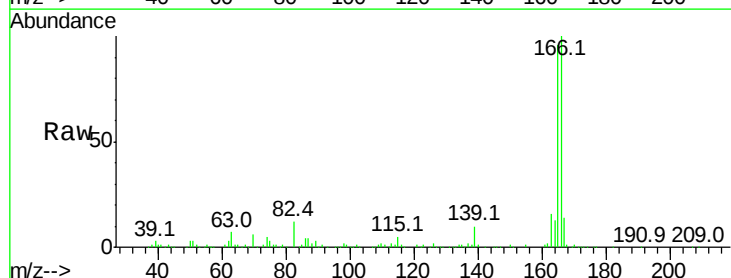
Tgt Ion:166 Resp: 288295

Ion Ratio Lower Upper

166 100

165 95.7 79.0 118.4

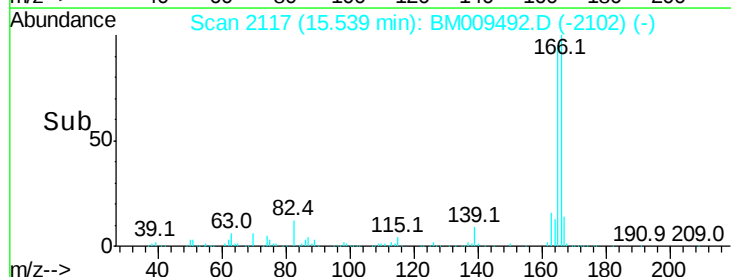
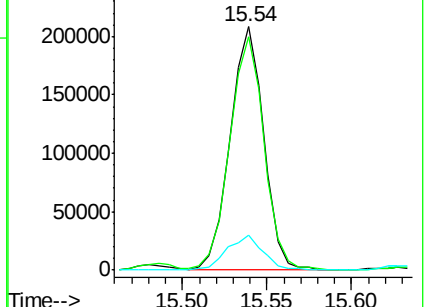
167 14.1 10.3 15.5

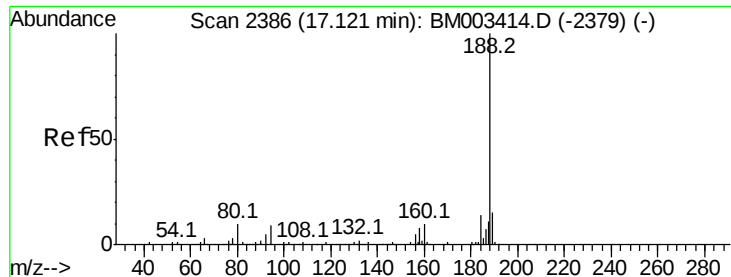


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

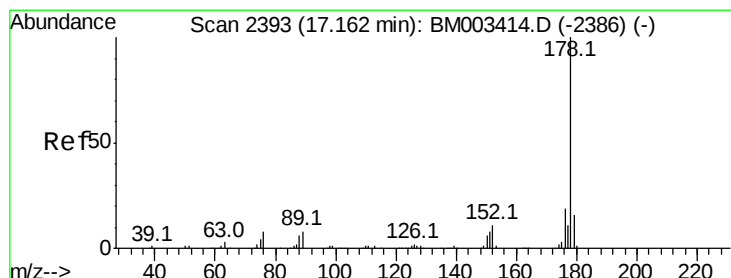
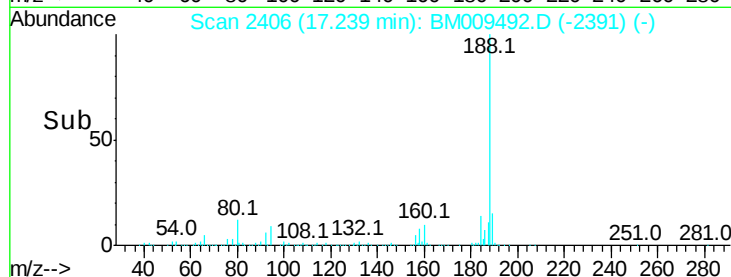
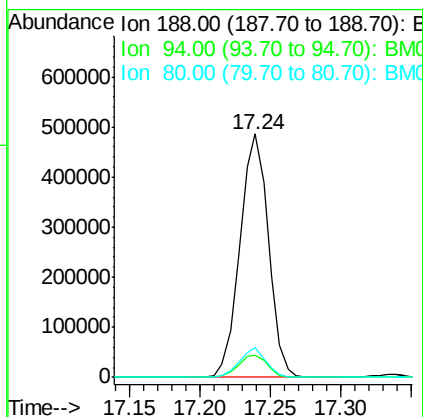
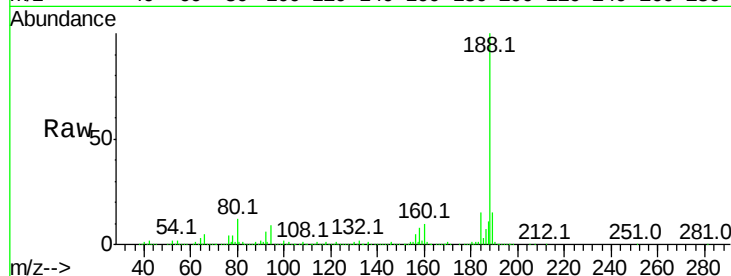




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

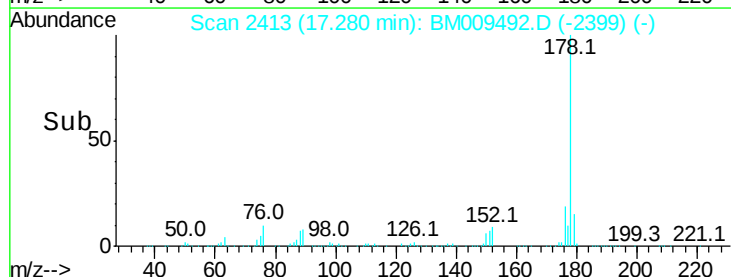
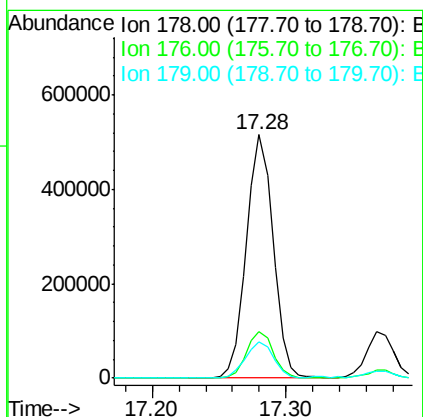
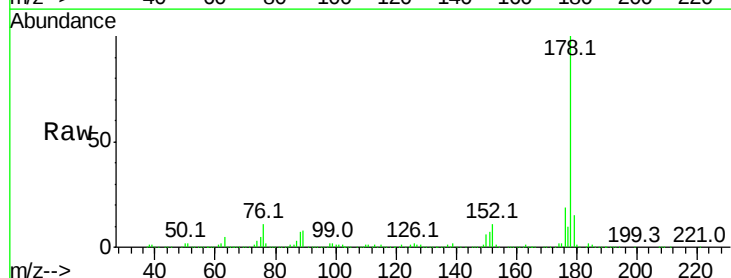
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW24D-GW

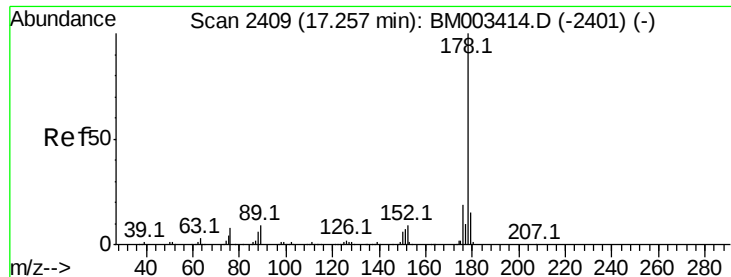
Tot Ion:188 Resp: 686745
Ion Ratio Lower Upper
188 100
94 9.3 8.7 13.1
80 12.1 9.3 13.9



#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

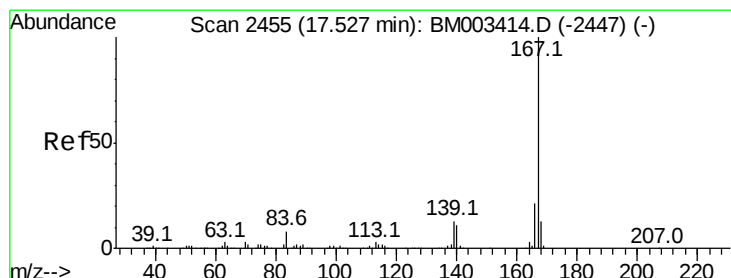
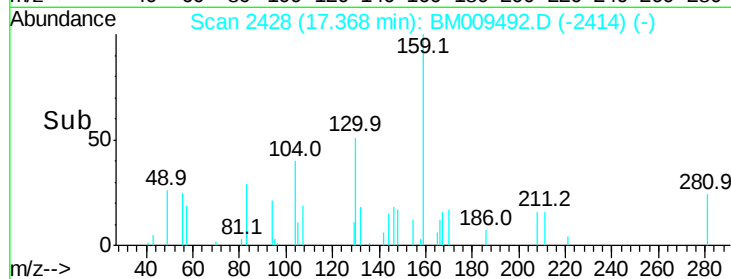
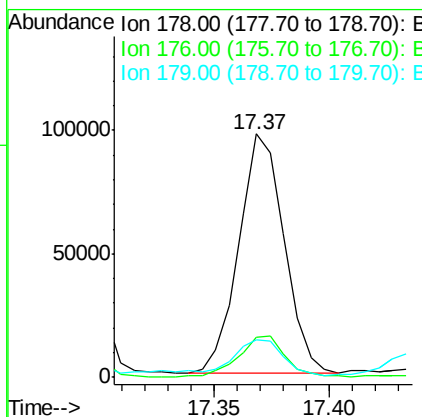
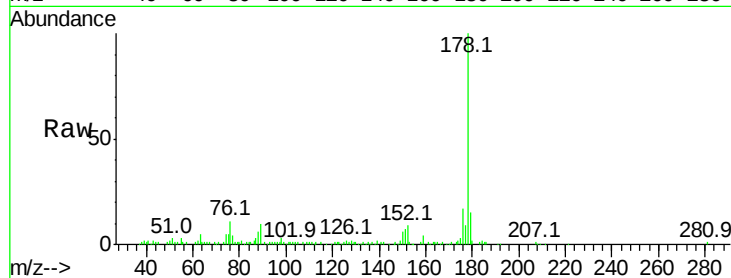




#71
 Anthracene
 Concen: 3.35 ng
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

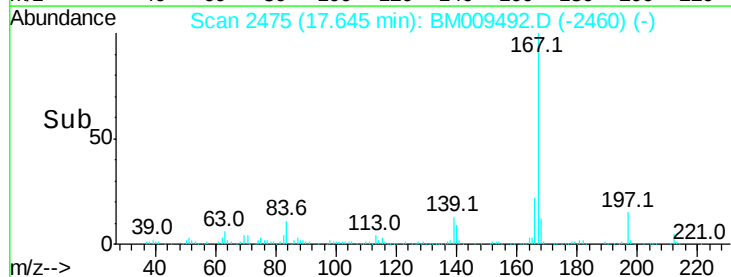
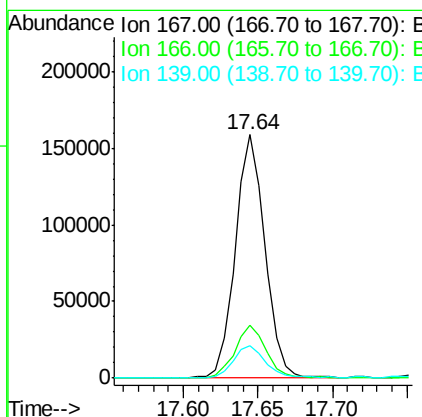
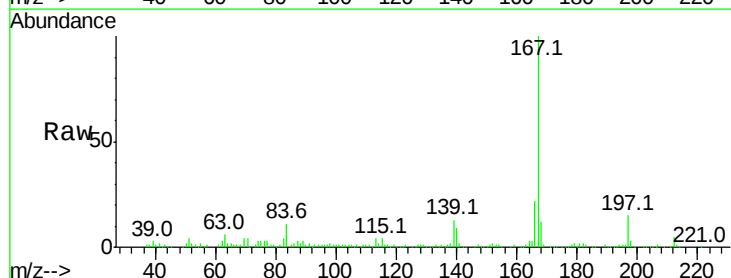
Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW24D-GW

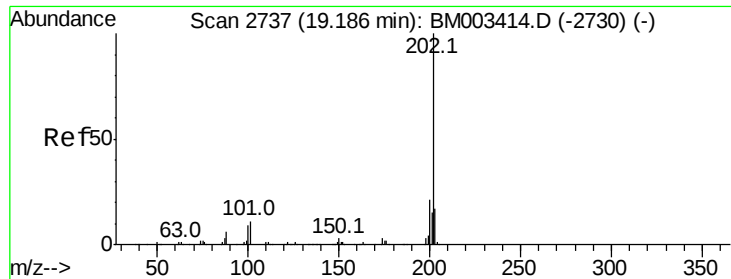
Tot Ion:178 Resp: 133071
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.6 22.0
 179 15.4 12.6 19.0



#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

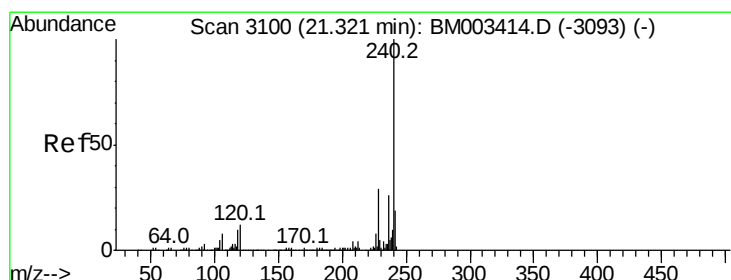
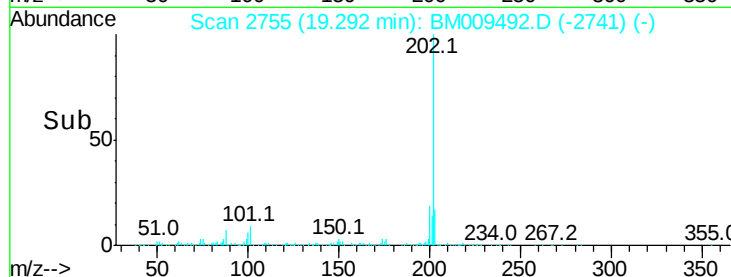
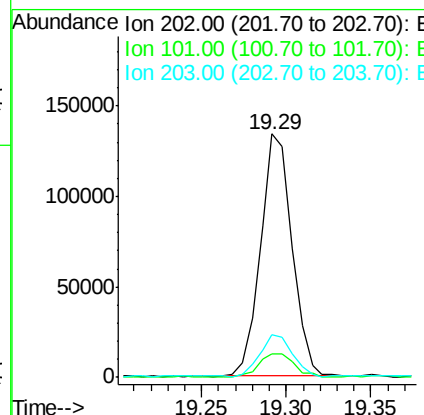
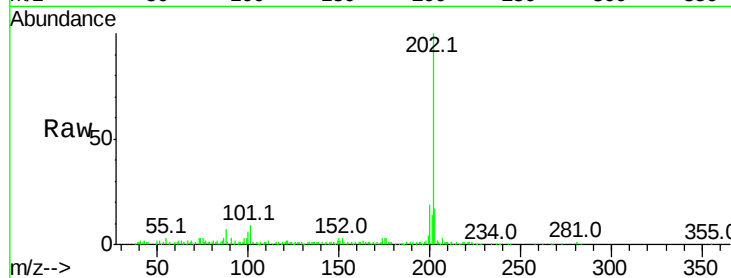




#74
 Fluoranthene
 Concen: 3.73 ng
 RT: 19.29 min Scan# 2755
 Delta R.T. -0.02 min
 Lab File: BM009492.D
 Acq: 01 Apr 2017 02:07

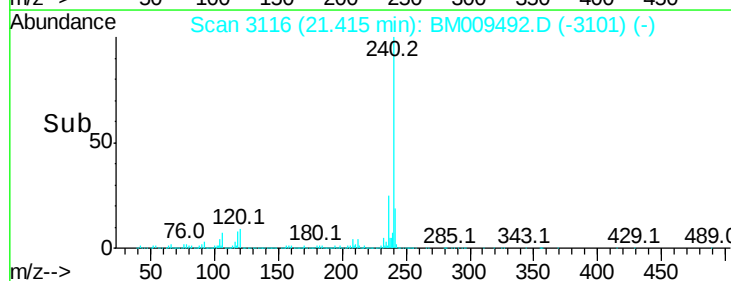
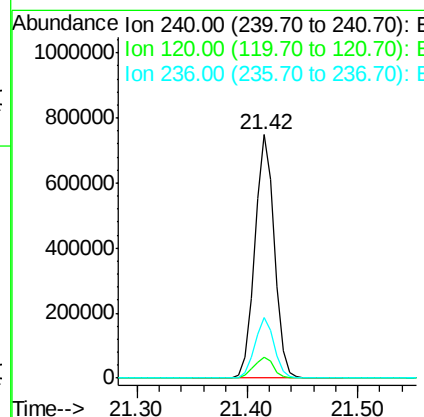
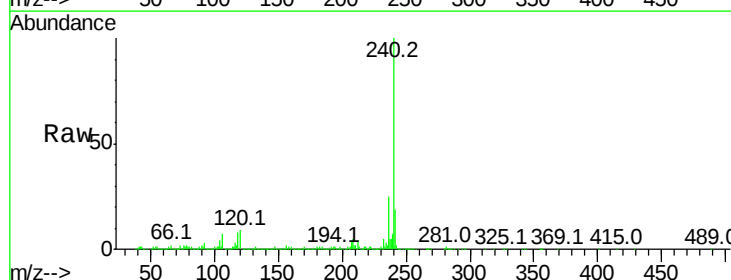
Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW24D-GW

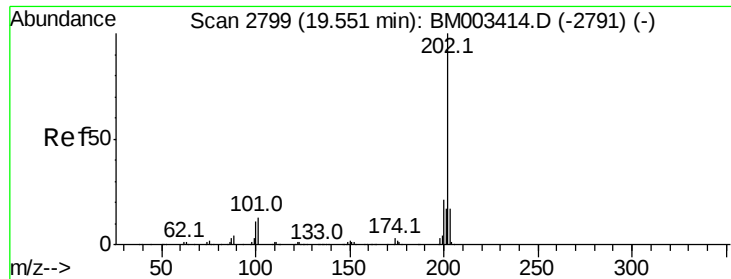
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	28.7
203	17.4	0.0	37.2



#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	Ratio	Lower	Upper
240	100		
120	8.7	8.2	12.2
236	24.6	20.0	30.0

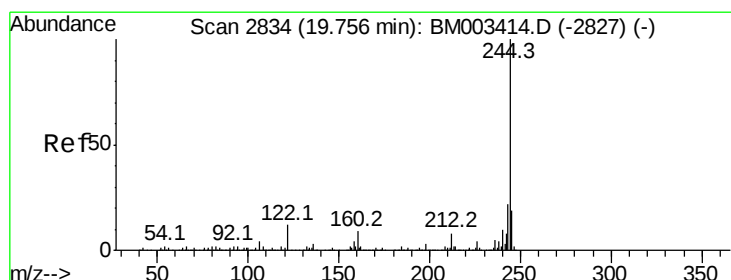
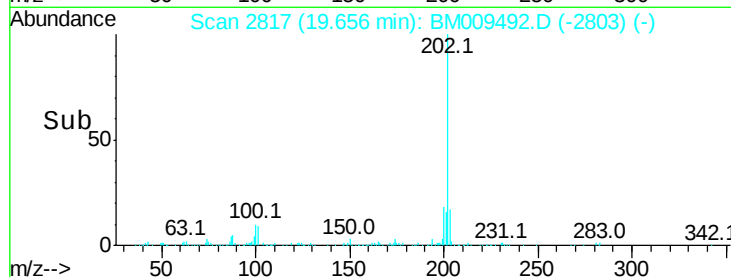
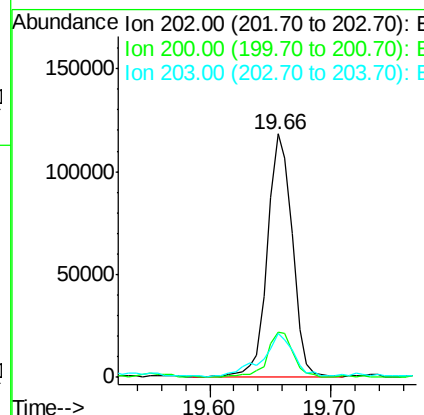
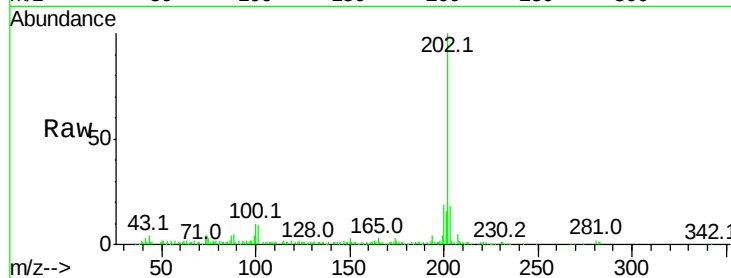




#77
Pvrene
Concen: 3.22 ng
RT: 19.66 min Scan# 2817
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

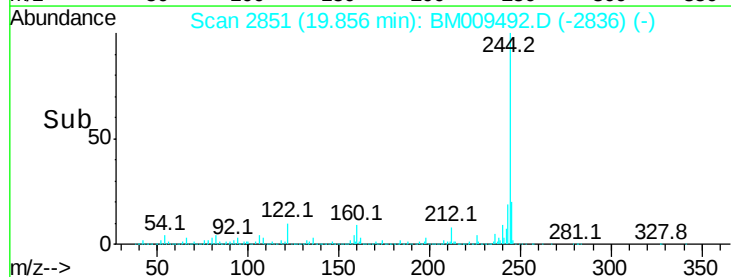
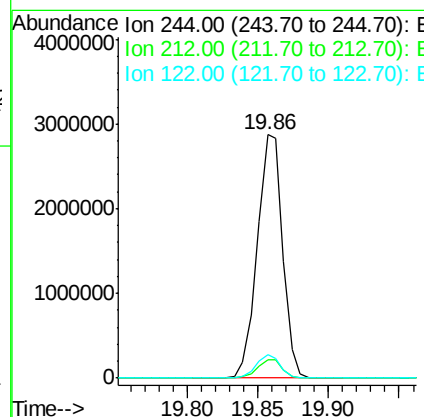
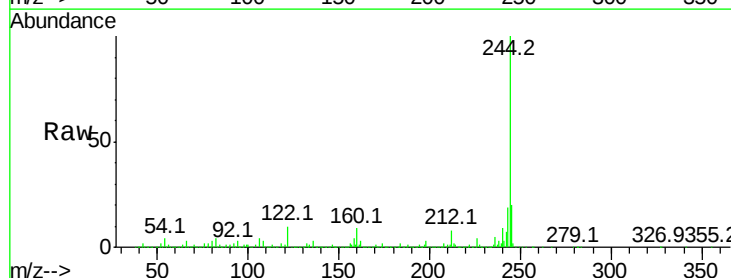
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW24D-GW

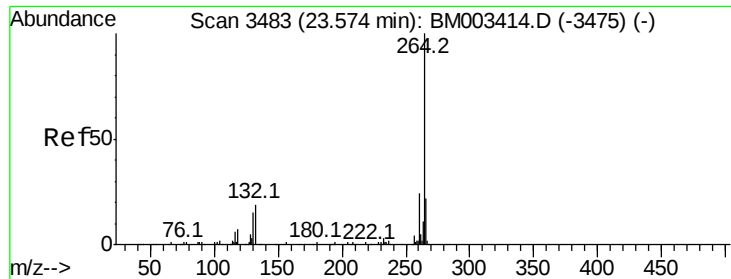
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.6	16.9	25.3
203	18.0	14.1	21.1



#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#



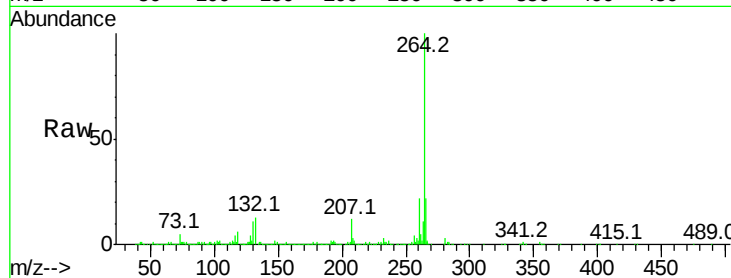


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.74 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM009492.D
Acq: 01 Apr 2017 02:07

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



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

