

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033117\
 Data File : BM009488.D
 Acq On : 31 Mar 2017 23:44
 Operator : SJ/MA
 Sample : I2475-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Apr 01 02:15:10 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

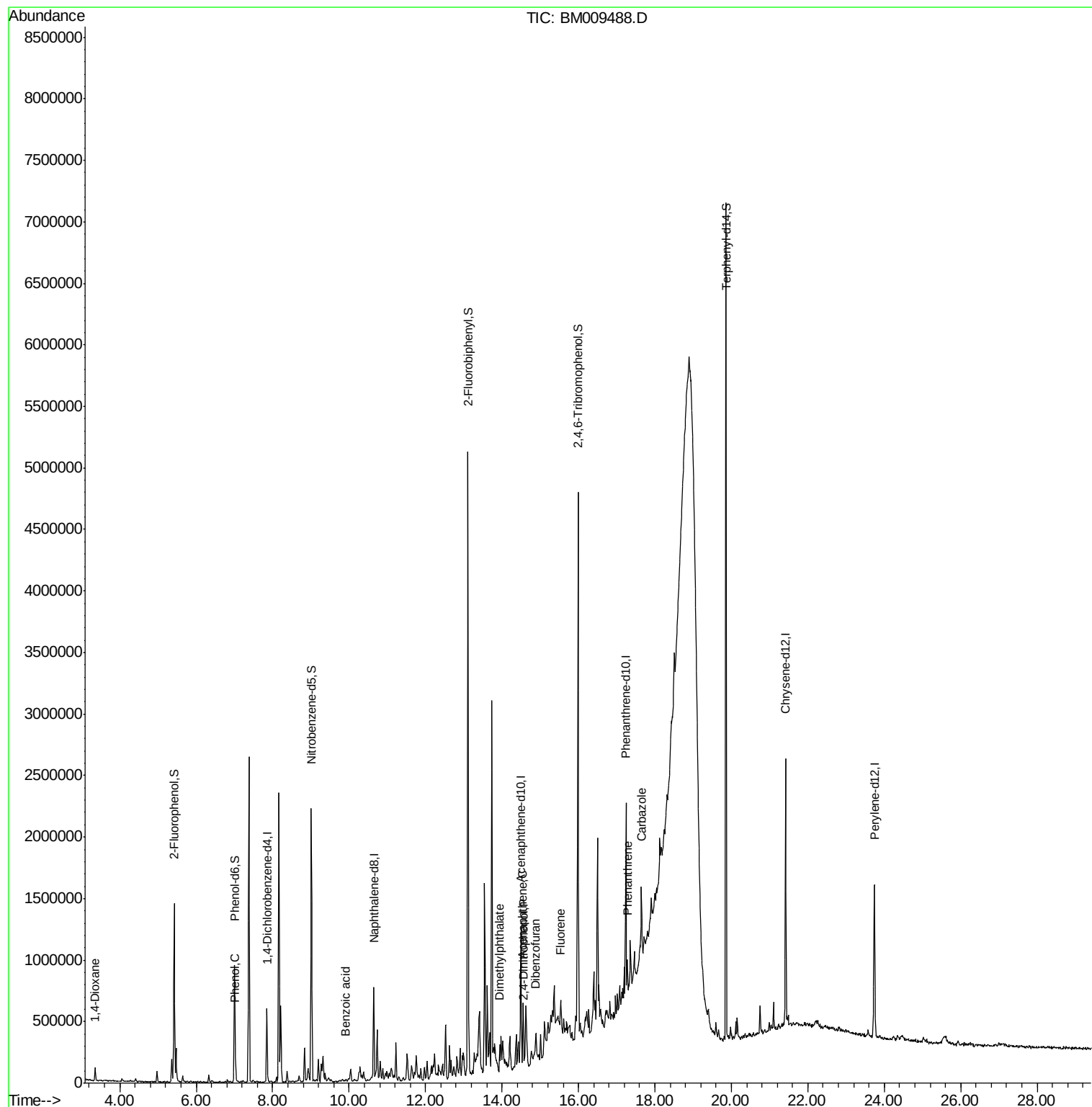
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	131585	20.00	ng	-0.02
21) Naphthalene-d8	10.65	136	527126	20.00	ng	-0.02
38) Acenaphthene-d10	14.49	164	342002	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	848094	20.00	ng	-0.01
75) Chrysene-d12	21.42	240	1021314	20.00	ng	-0.01
86) Perylene-d12	23.74	264	933423	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	500563	63.41	ng	-0.01
7) Phenol-d6	7.00	99	456737	42.43	ng	-0.02
23) Nitrobenzene-d5	9.01	82	1221890	86.91	ng	-0.02
41) 2,4,6-Tribromophenol	15.99	330	663312	156.12	ng	-0.01
44) 2-Fluorobiphenyl	13.10	172	2357049	83.04	ng	-0.02
78) Terphenyl-d14	19.86	244	2844412	58.20	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.36	88	48073	12.11	ng	# 100
10) Phenol	7.03	94	60204	5.16	ng	85
32) Benzoic acid	9.89	122	157	3.66	ng	# 36
49) Dimethylphthalate	13.94	163	95224	3.63	ng	# 95
51) Acenaphthene	14.55	154	156916	7.22	ng	98
53) 2,4-Dinitrophenol	14.57	184	484	5.59	ng	# 1
54) Dibenzofuran	14.89	168	98848	3.08	ng	94
57) Fluorene	15.54	166	91543	3.17	ng	# 93
70) Phenanthrene	17.28	178	174065	3.59	ng	99
72) Carbazole	17.65	167	233513	4.97	ng	99

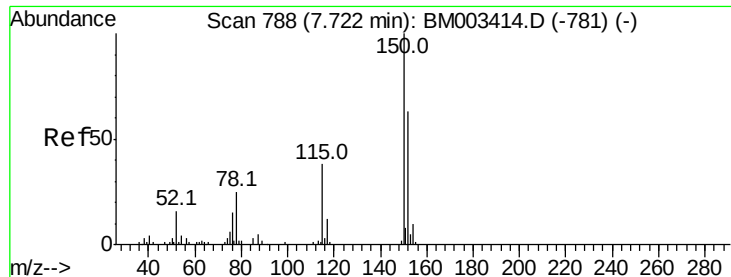
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

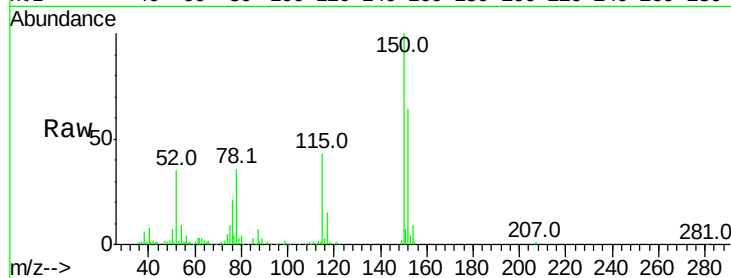
Tot Ion:152 Resp: 131585

Ion Ratio Lower Upper

152 100

150 155.7 119.5 179.3

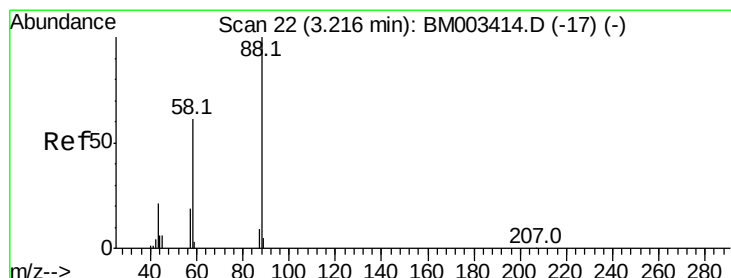
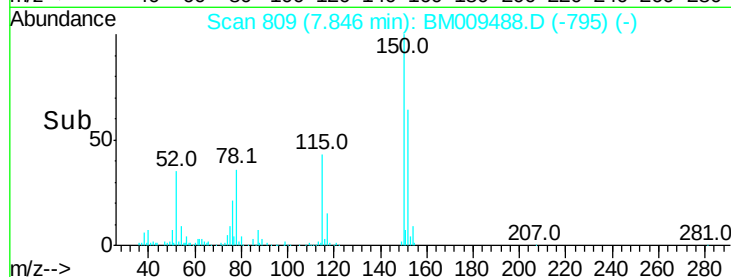
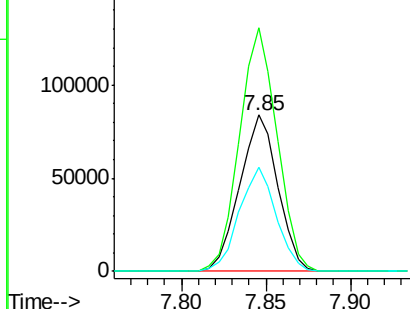
115 66.4 43.0 64.4#



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



#2

1,4-Dioxane

Concen: 12.11 ng

RT: 3.36 min Scan# 46

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

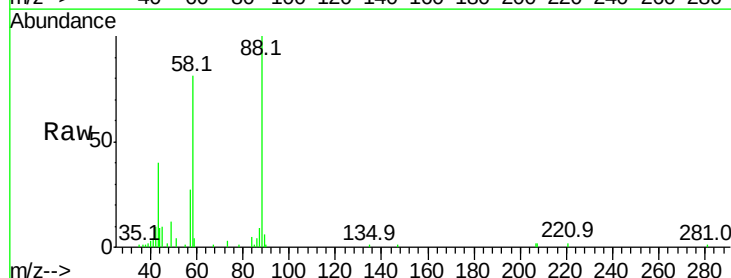
Tgt Ion: 88 Resp: 48073

Ion Ratio Lower Upper

88 100

58 80.9 0.0 0.0#

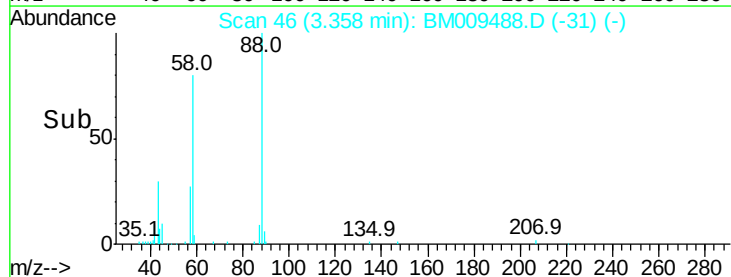
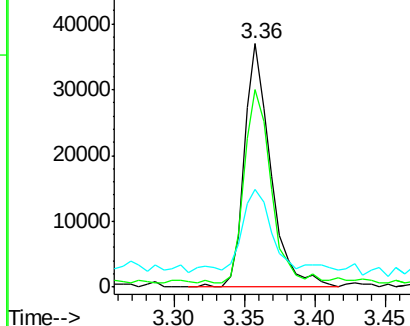
43 35.5 0.0 0.0#

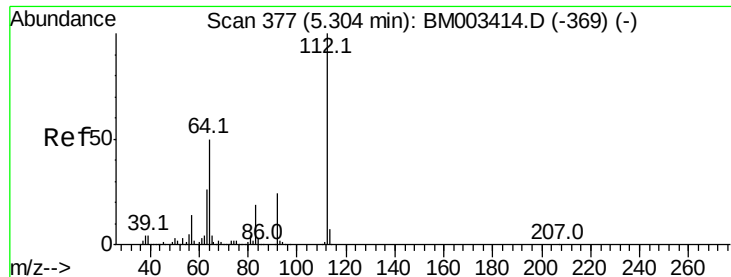


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 63.41 ng

RT: 5.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

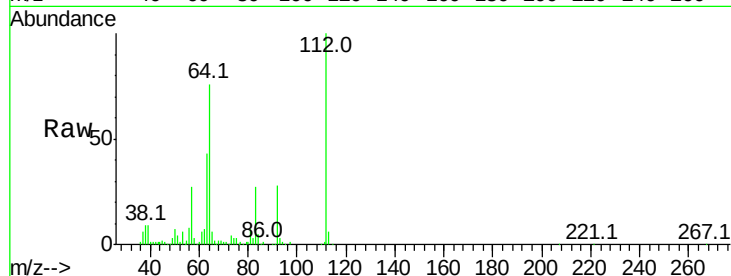
Tot Ion:112 Resp: 500563

Ion Ratio Lower Upper

112 100

64 75.6 38.6 57.8#

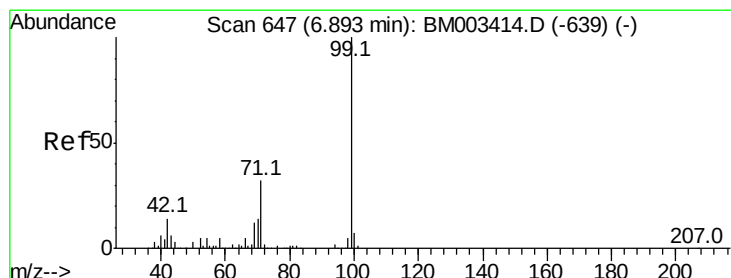
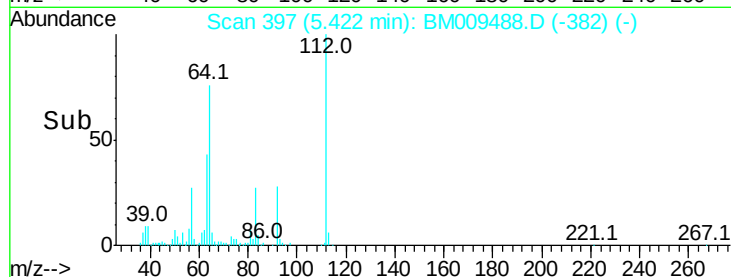
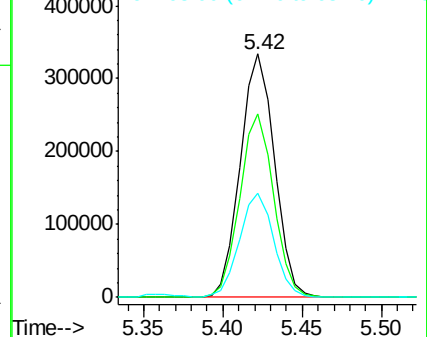
63 42.7 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 42.43 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

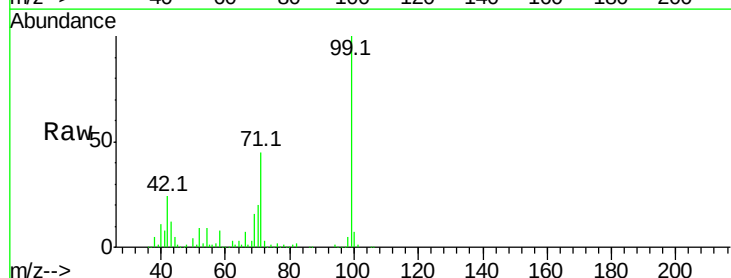
Tgt Ion: 99 Resp: 456737

Ion Ratio Lower Upper

99 100

42 24.3 11.0 16.4#

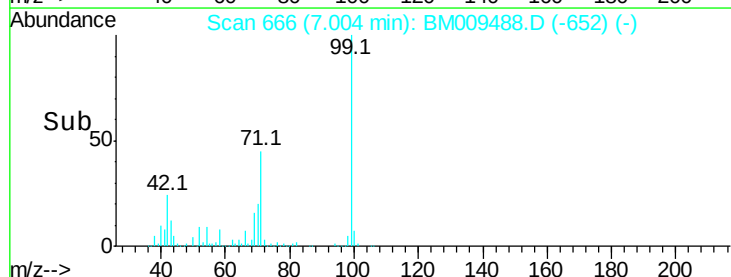
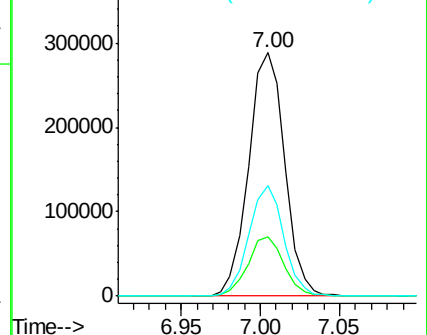
71 45.5 23.4 35.2#

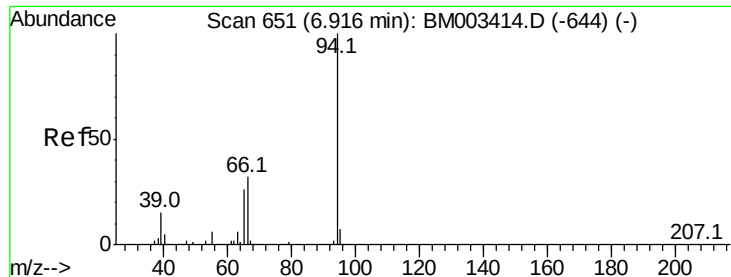


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

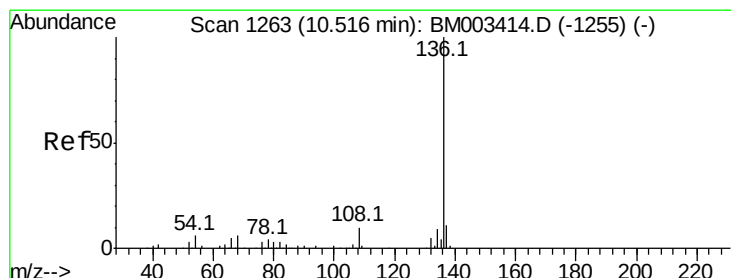
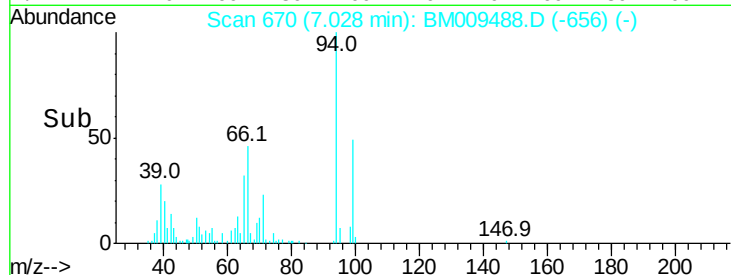
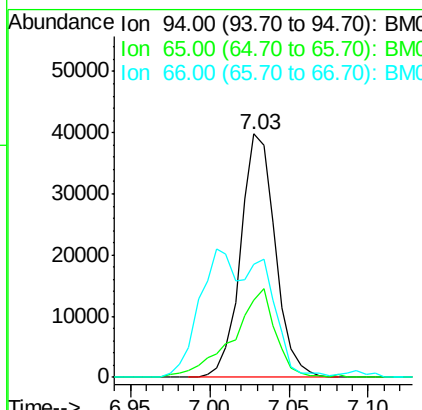
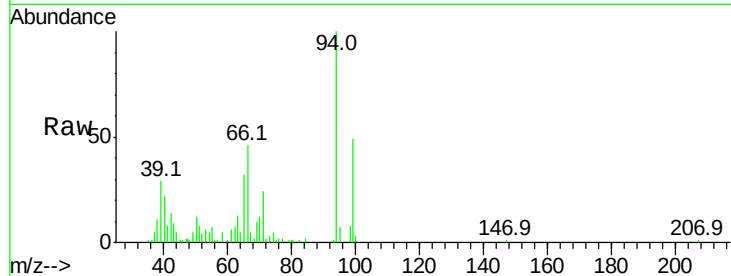




#10
Phenol
Concen: 5.16 ng
RT: 7.03 min Scan# 670
Delta R.T. -0.02 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

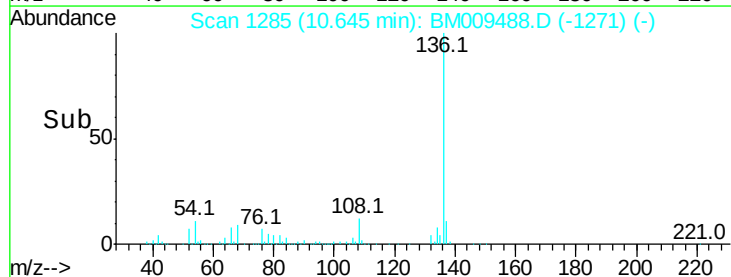
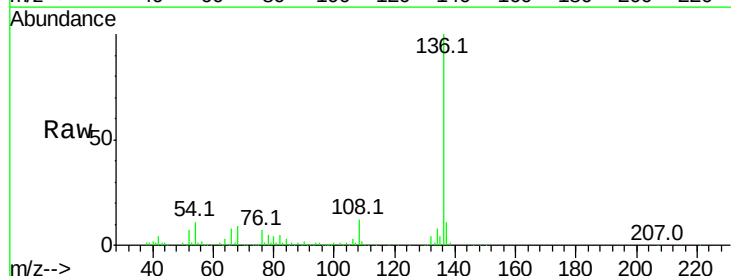
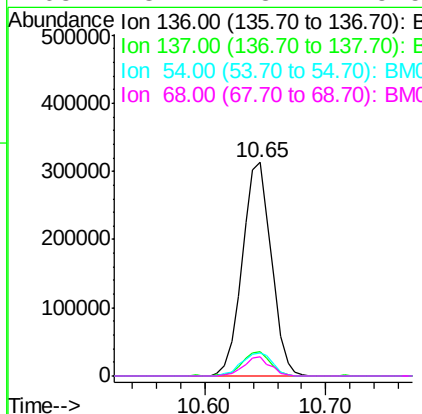
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW27S-GW

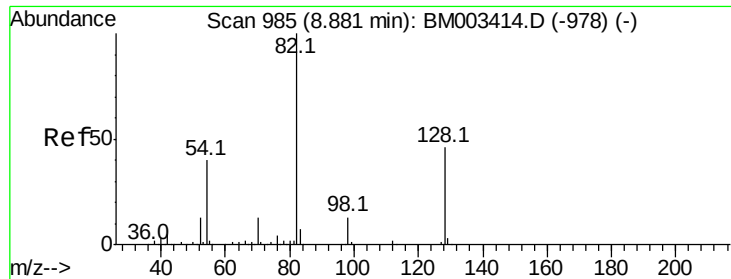
Tot Ion: 94 Resp: 60204
Ion Ratio Lower Upper
94 100
65 31.9 18.8 58.8
66 46.3 39.9 79.9



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

Tgt Ion: 136 Resp: 527126
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 11.1 4.6 6.8#
68 8.7 3.7 5.5#

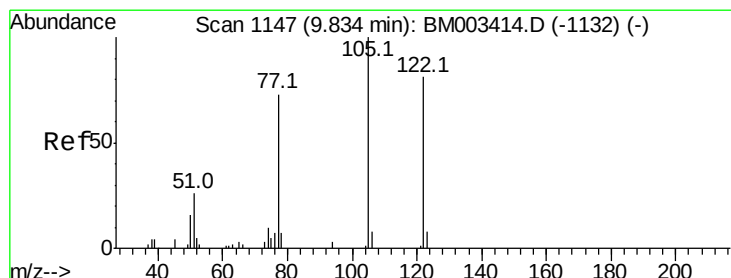
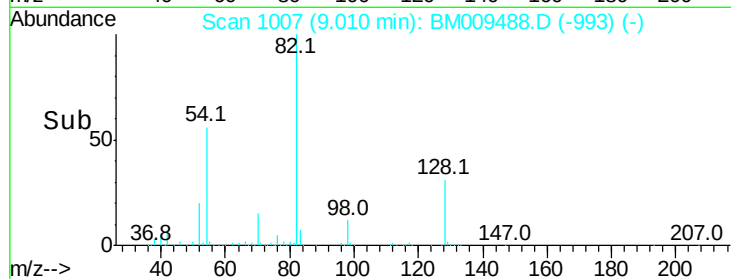
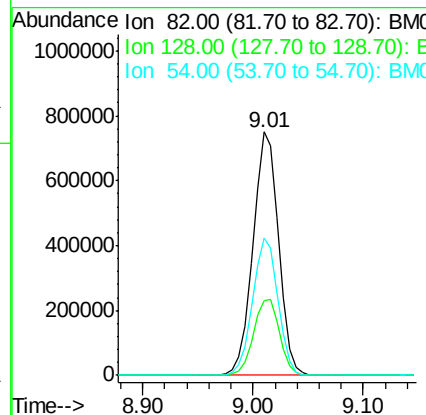
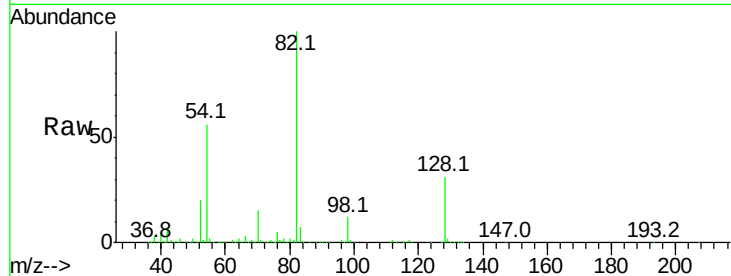




#23
 Nitrobenzene-d5
 Concen: 86.91 ng
 RT: 9.01 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BM009488.D
 Acq: 31 Mar 2017 23:44

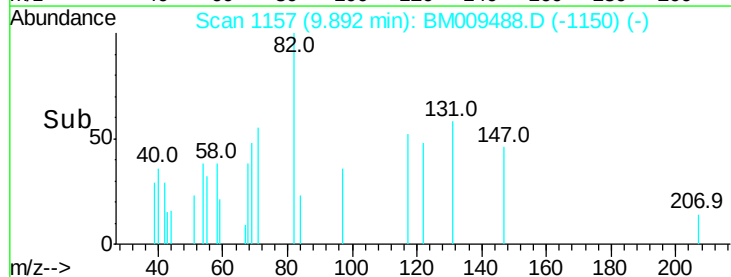
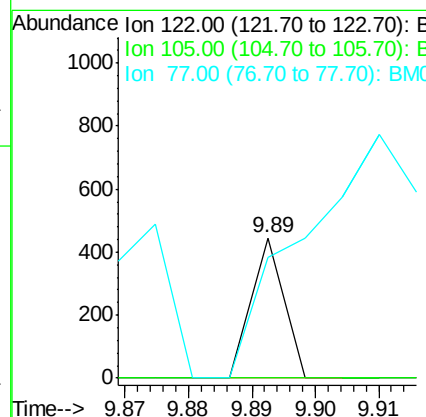
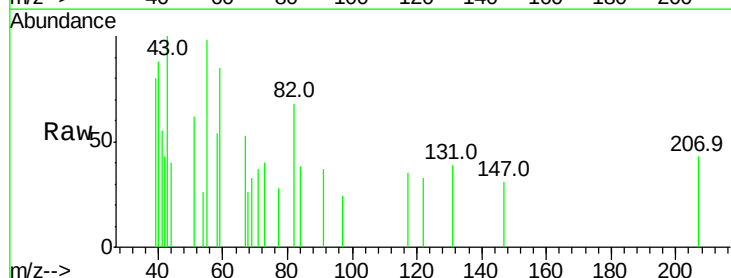
Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW27S-GW

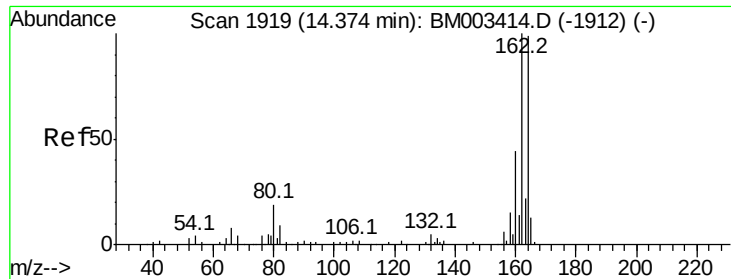
Tot Ion: 82 Resp: 1221890
 Ion Ratio Lower Upper
 82 100
 128 30.8 32.8 49.2#
 54 56.3 40.6 60.8



#32
 Benzoic acid
 Concen: 3.66 ng
 RT: 9.89 min Scan# 1157
 Delta R.T. -0.06 min
 Lab File: BM009488.D
 Acq: 31 Mar 2017 23:44

Tgt Ion: 122 Resp: 157
 Ion Ratio Lower Upper
 122 100
 105 0.0 99.9 139.9#
 77 86.1 73.7 113.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

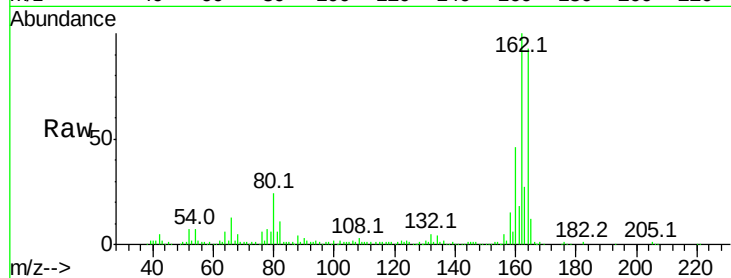
Tot Ion:164 Resp: 342002

Ion Ratio Lower Upper

164 100

162 107.2 82.4 123.6

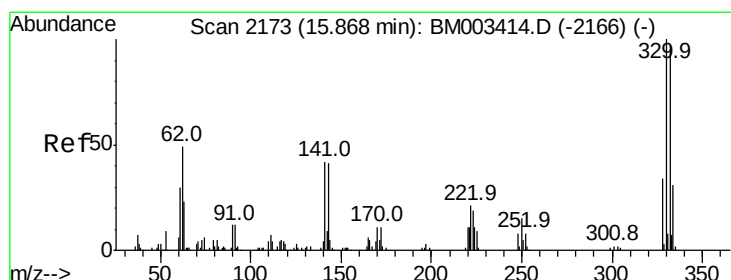
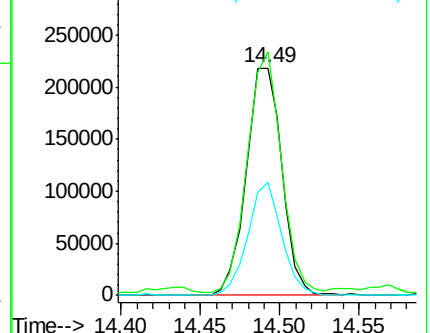
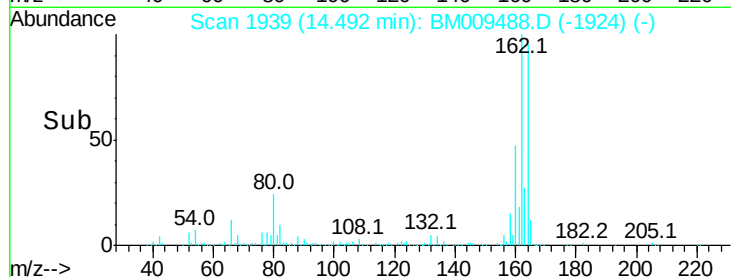
160 49.8 35.8 53.6



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: 156.12 ng

RT: 15.99 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

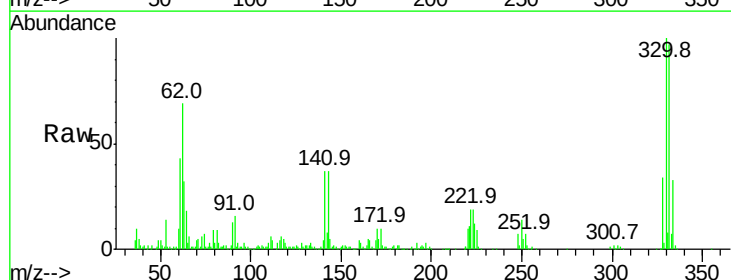
Tgt Ion:330 Resp: 663312

Ion Ratio Lower Upper

330 100

332 97.8 0.0 0.0#

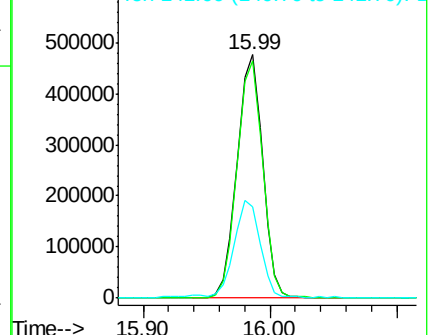
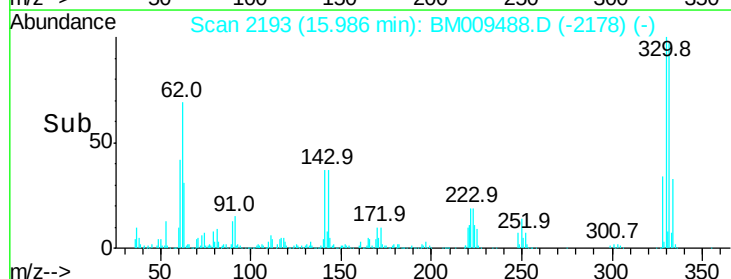
141 42.1 0.0 0.0#

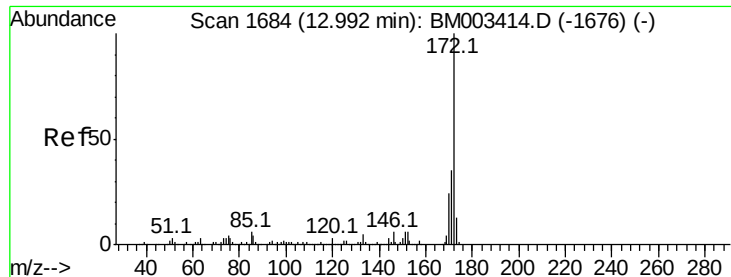


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

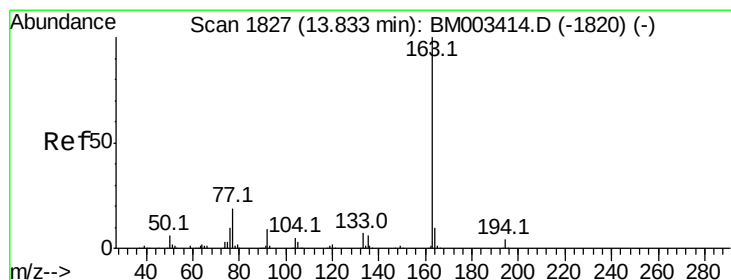
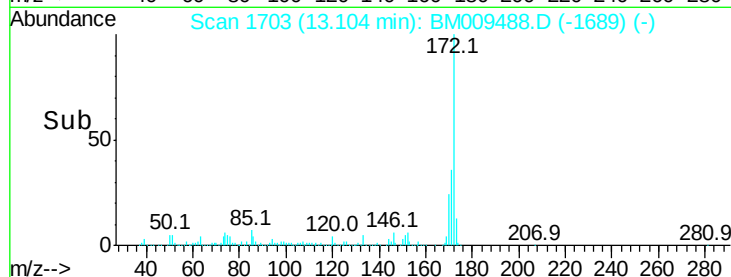
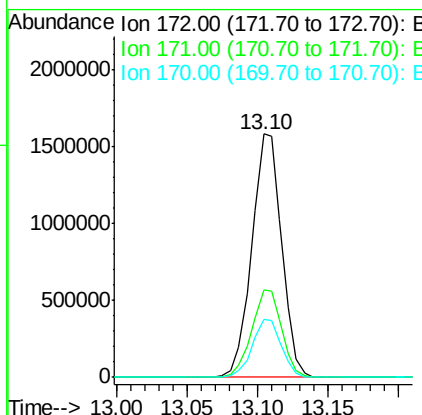
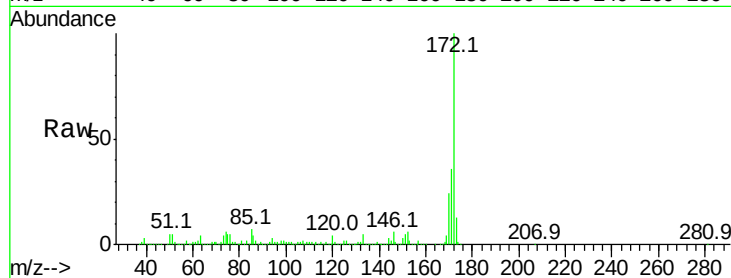




#44
2-Fluorobiphenyl
Concen: 83.04 ng
RT: 13.10 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

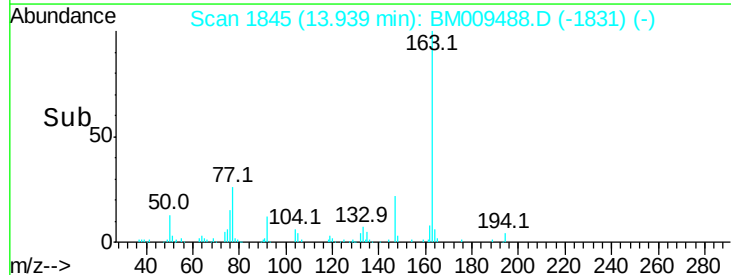
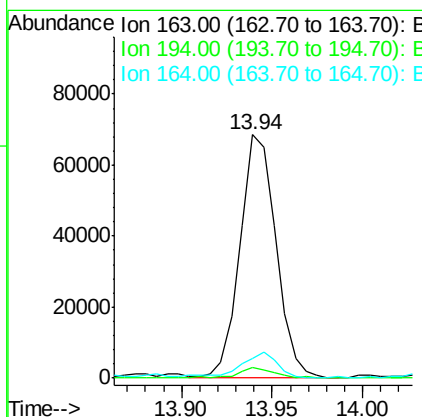
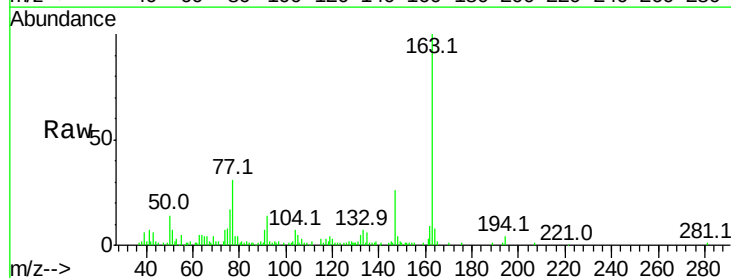
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BNA_M
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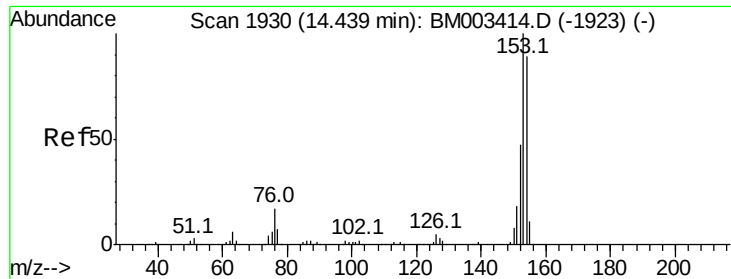
Tot Ion:172 Resp: 2357049
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.6 18.8 28.2



#49
Dimethylphthalate
Concen: 3.63 ng
RT: 13.94 min Scan# 1845
Delta R.T. -0.02 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

Tgt Ion:163 Resp: 95224
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 7.9 8.2 12.2#





#51

Acenaphthene

Concen: 7.22 ng

RT: 14.55 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

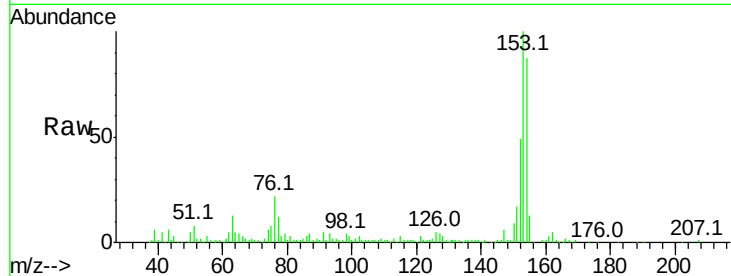
Tot Ion:154 Resp: 156916

Ion Ratio Lower Upper

154 100

153 114.6 90.0 135.0

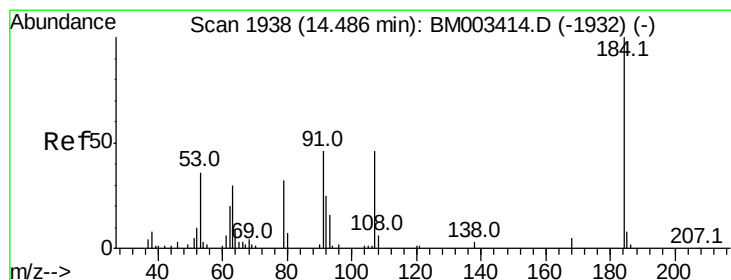
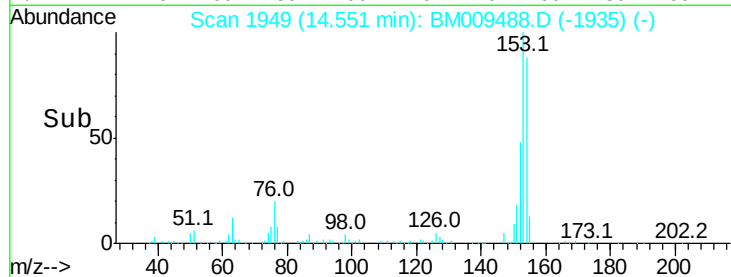
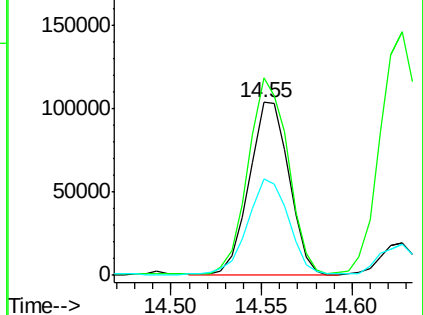
152 55.6 42.6 63.8



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



#53

2,4-Dinitrophenol

Concen: 5.59 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

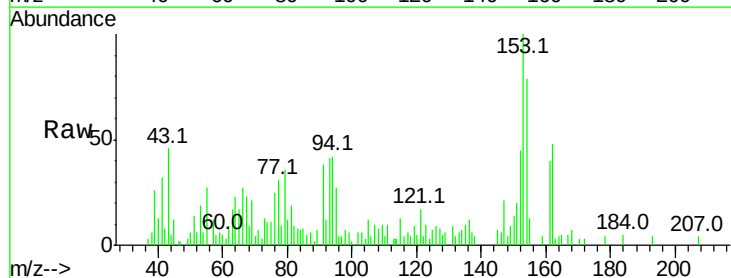
Tgt Ion:184 Resp: 484

Ion Ratio Lower Upper

184 100

63 341.0 69.2 103.8#

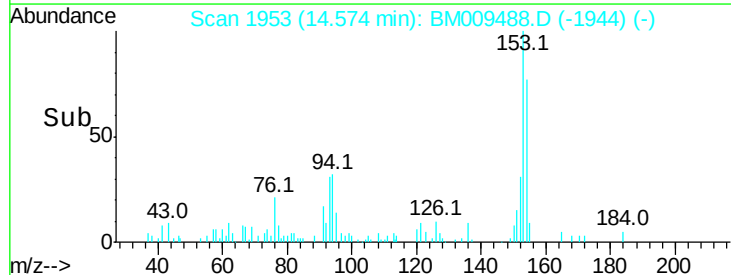
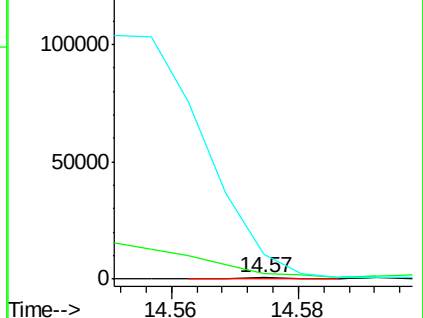
154 1544.0 53.3 79.9#

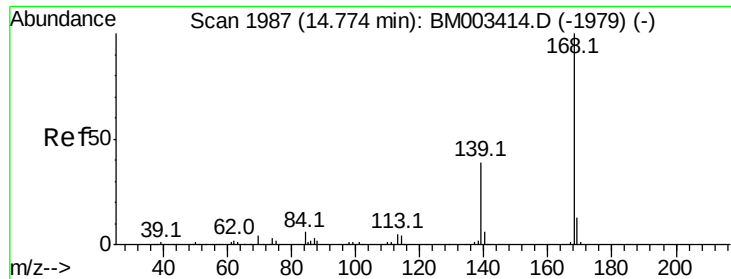


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 3.08 ng

RT: 14.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

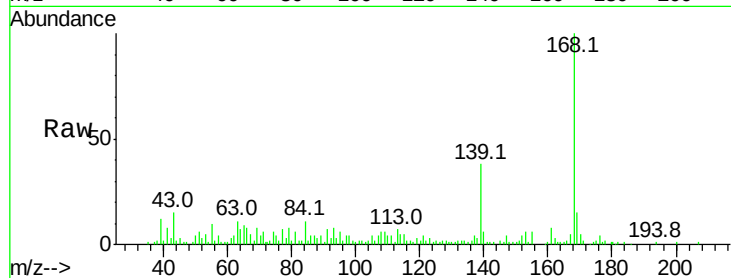
Tot Ion:168 Resp: 98848

Ion Ratio Lower Upper

168 100

139 38.2 27.3 40.9

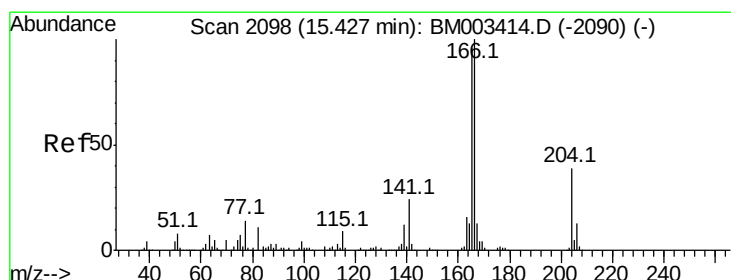
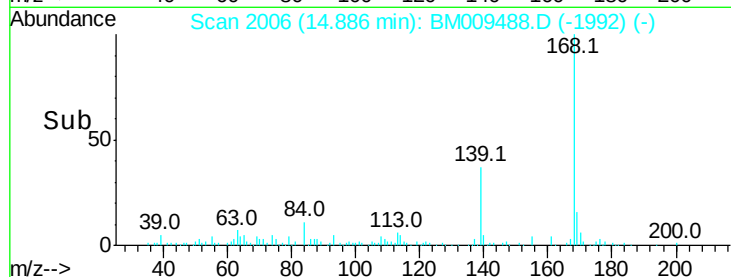
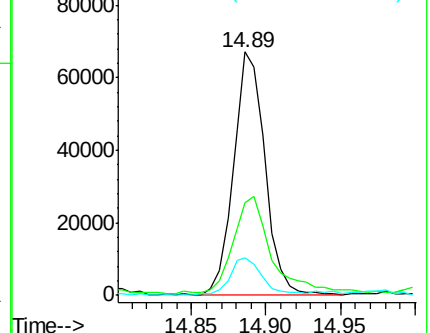
169 15.2 10.6 16.0



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: 3.17 ng

RT: 15.54 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

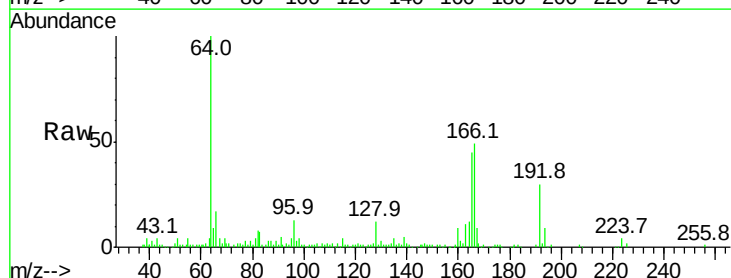
Tgt Ion:166 Resp: 91543

Ion Ratio Lower Upper

166 100

165 92.2 79.0 118.4

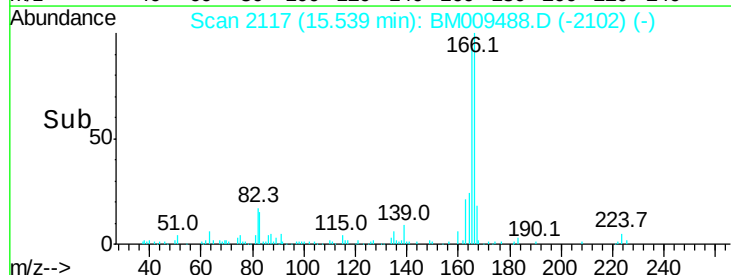
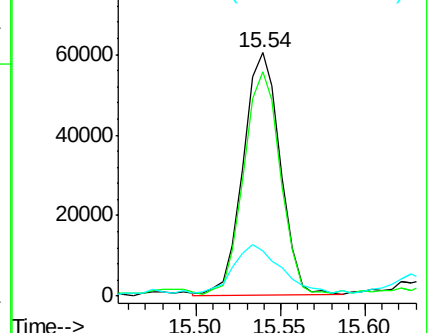
167 18.5 10.3 15.5#

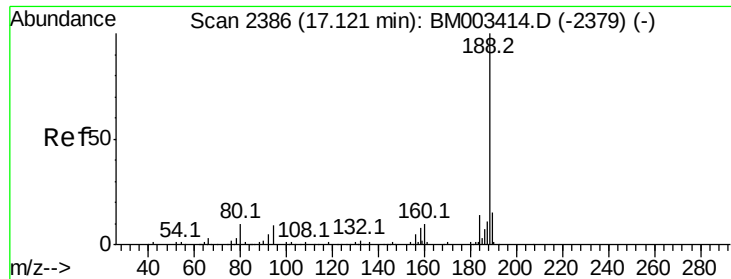


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

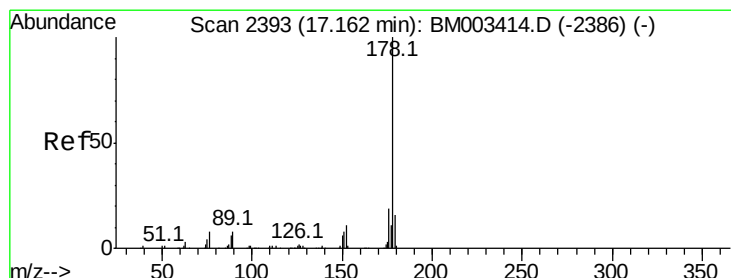
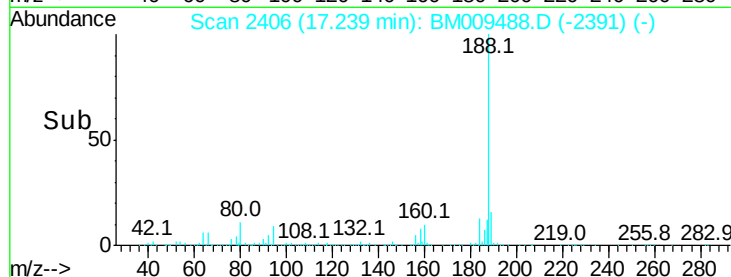
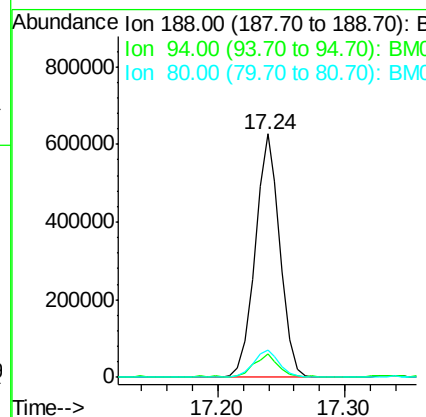
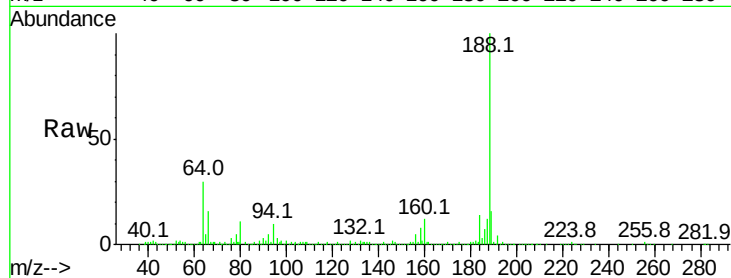




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

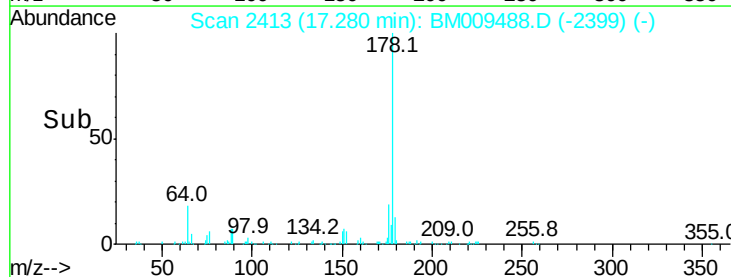
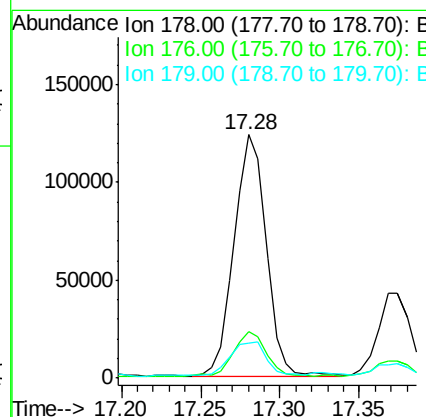
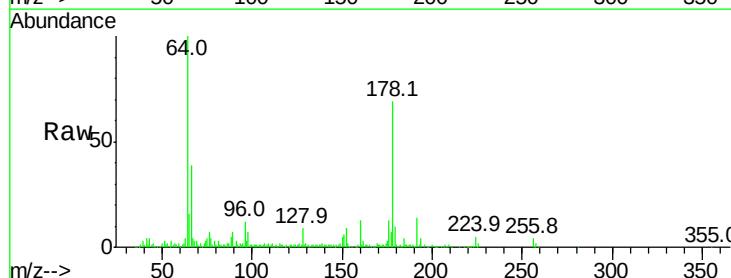
Instrument :
BNA_M
ClientSampleId :
QNWP8-MW27S-GW

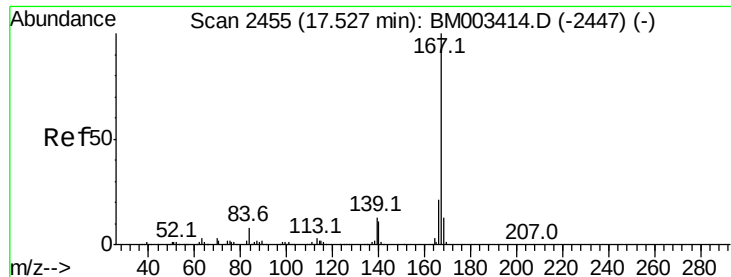
Tot Ion:188 Resp: 848094
Ion Ratio Lower Upper
188 100
94 9.5 8.7 13.1
80 11.0 9.3 13.9



#70
Phenanthrene
Concen: 3.59 ng
RT: 17.28 min Scan# 2413
Delta R.T. -0.02 min
Lab File: BM009488.D
Acq: 31 Mar 2017 23:44

Tgt Ion:178 Resp: 174065
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 14.5 12.1 18.1





#72

Carbazole

Concen: 4.97 ng

RT: 17.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW27S-GW

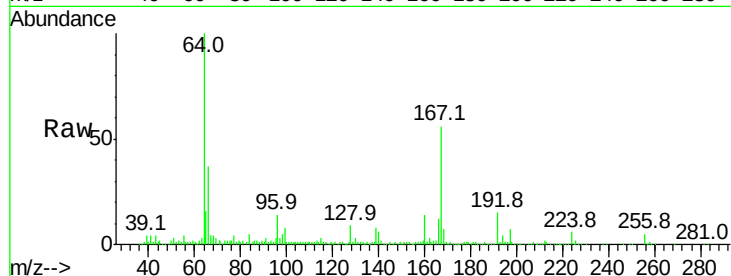
Tot Ion:167 Resp: 233513

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

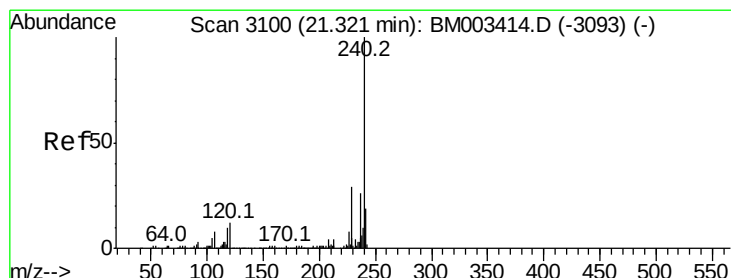
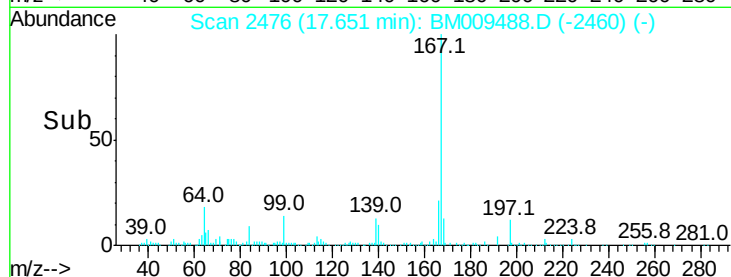
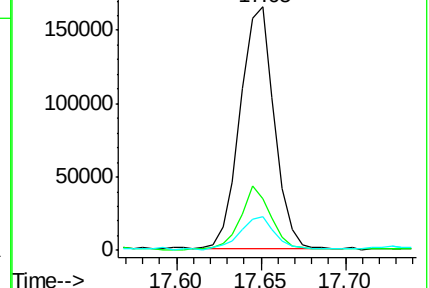
139 13.8 10.8 16.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BM009488.D

Acq: 31 Mar 2017 23:44

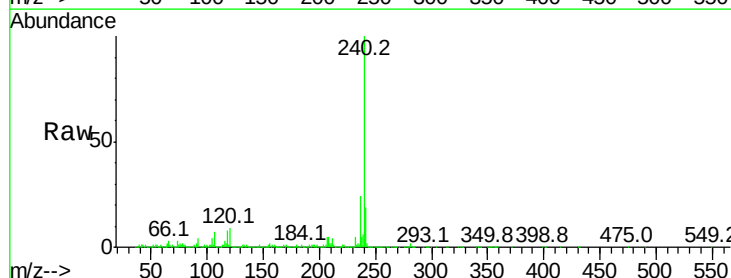
Tgt Ion:240 Resp: 1021314

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

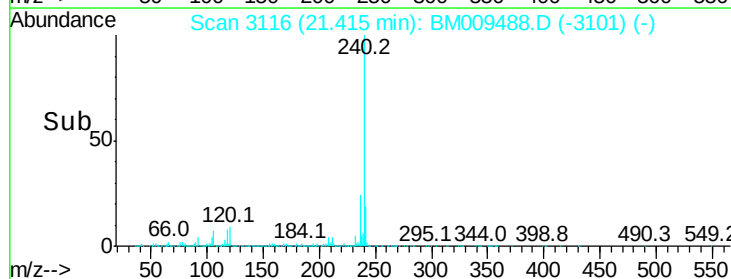
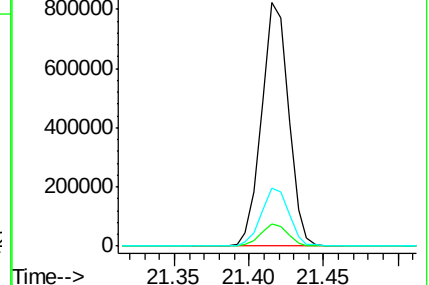
236 23.6 20.0 30.0

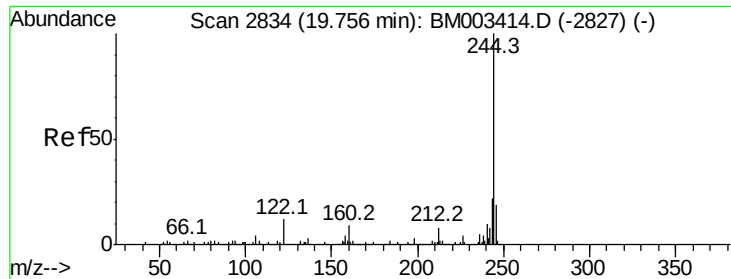


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



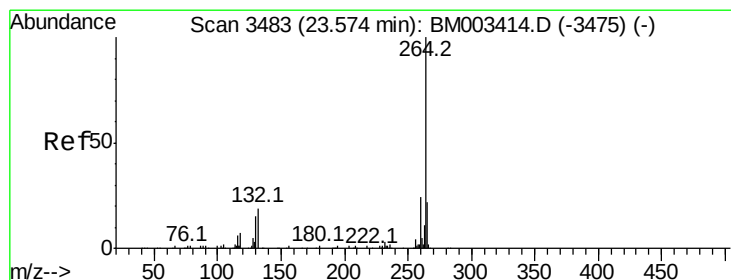
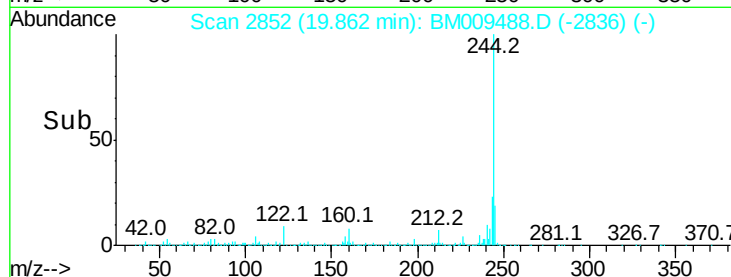
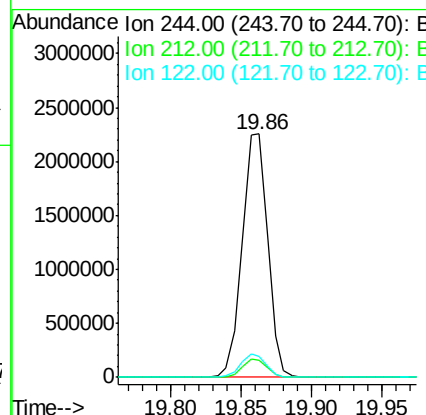
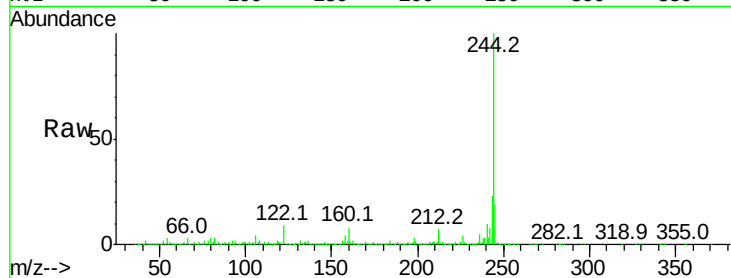


#78
 Terphenyl-d14
 Concen: 58.20 ng
 RT: 19.86 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BM009488.D
 Acq: 31 Mar 2017 23:44

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion:244 Resp: 2844412

Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.9	7.3
122	8.7	6.2	9.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.74 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM009488.D
 Acq: 31 Mar 2017 23:44

Tgt Ion:264 Resp: 933423

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	27.8
265	20.4	17.3	25.9

