

Data Path : Z:\HPCHEM1\BNA M\Data\BM051117\
 Data File : BM010016.D
 Acq On : 12 May 2017 10:05
 Operator : SJ/MA
 Sample : I3079-03DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 12 10:46:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 19:50:16 2017
 Response via : Initial Calibration

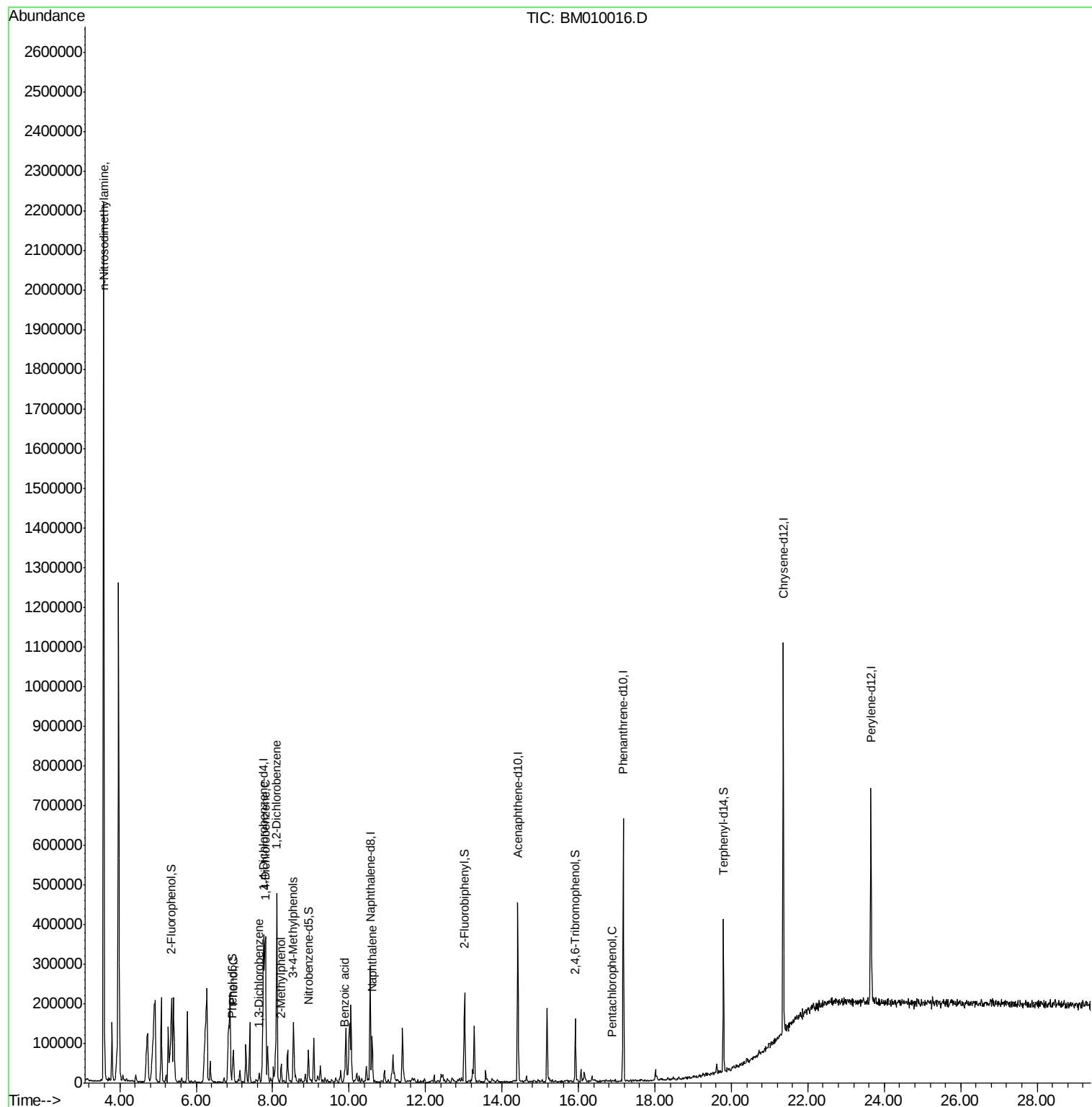
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	41669	20.00	ng	-0.02
21) Naphthalene-d8	10.56	136	203021	20.00	ng	-0.02
38) Acenaphthene-d10	14.42	164	129275	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	356419	20.00	ng	-0.03
75) Chrysene-d12	21.36	240	489694	20.00	ng	-0.03
86) Perylene-d12	23.65	264	383584	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	18870	7.09	ng	-0.02
7) Phenol-d6	6.95	99	17179	4.03	ng	-0.02
23) Nitrobenzene-d5	8.93	82	45970	8.27	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	24394	13.79	ng	-0.02
44) 2-Fluorobiphenyl	13.02	172	89119	9.22	ng	-0.03
78) Terphenyl-d14	19.79	244	141446	6.09	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.58	42	97481	48.95	ng	# 1
10) Phenol	6.98	94	11133	2.40	ng	# 80
12) 1,3-Dichlorobenzene	7.65	146	7819	2.42	ng	# 83
13) 1,4-Dichlorobenzene	7.79	146	20695	6.26	ng	# 89
14) 1,2-Dichlorobenzene	8.11	146	148602	46.35	ng	# 92
17) 2-Methylphenol	8.22	107	12754	4.21	ng	# 87
20) 3+4-Methylphenols	8.54	107	63191	15.34	ng	# 86
31) Naphthalene	10.60	128	77724	6.95	ng	# 96
32) Benzoic acid	9.88	122	7134	3.20	ng	# 45
69) Pentachlorophenol	16.86	266	284	6.20	ng	# 19

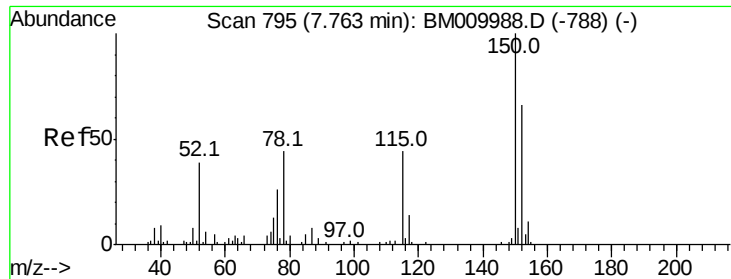
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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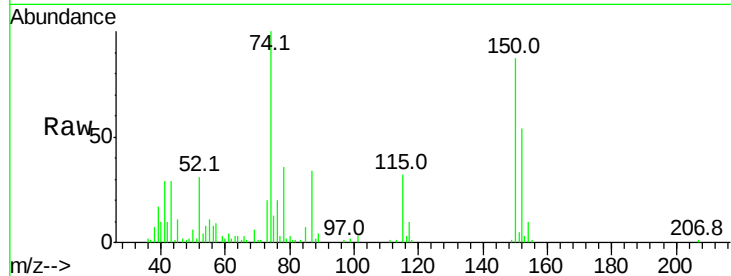


#1

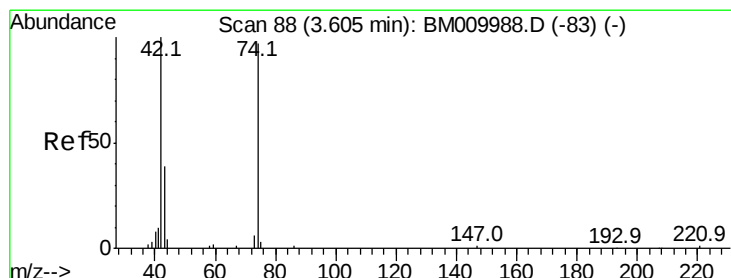
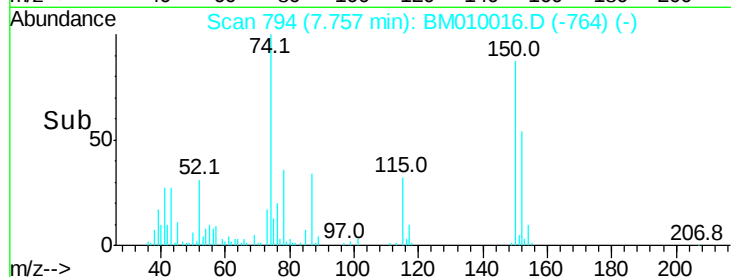
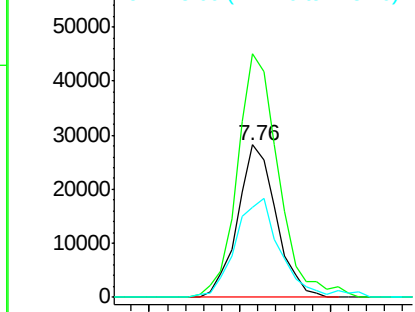
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 41669
Ion Ratio Lower Upper
152 100
150 160.1 119.5 179.3
115 59.3 43.0 64.4



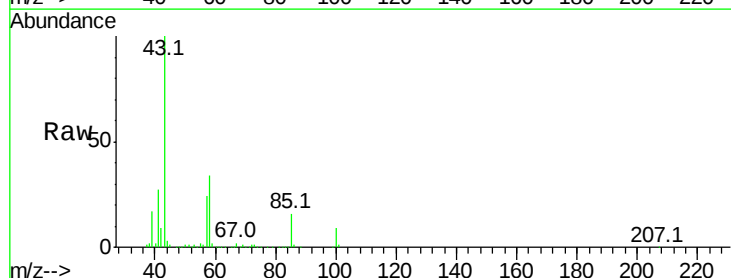
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



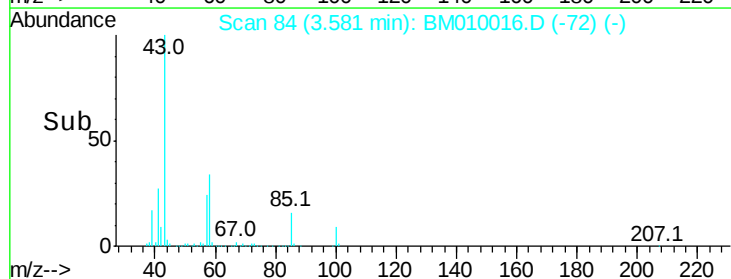
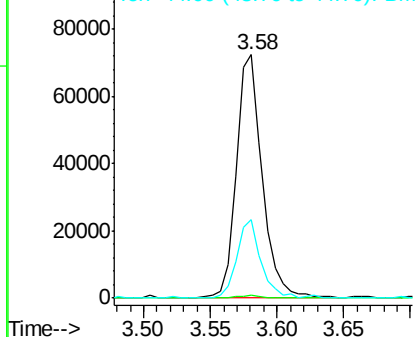
#4

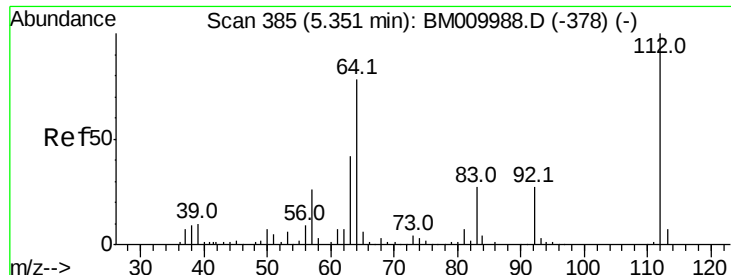
n-Nitrosodimethylamine
Concen: 48.95 ng
RT: 3.58 min Scan# 84
Delta R.T. -0.03 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

Tgt Ion: 42 Resp: 97481
Ion Ratio Lower Upper
42 100
74 1.3 119.3 178.9#
44 32.3 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 7.09 ng

RT: 5.35 min Scan# 385

Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Instrument :

BNA_M

ClientSampleId :

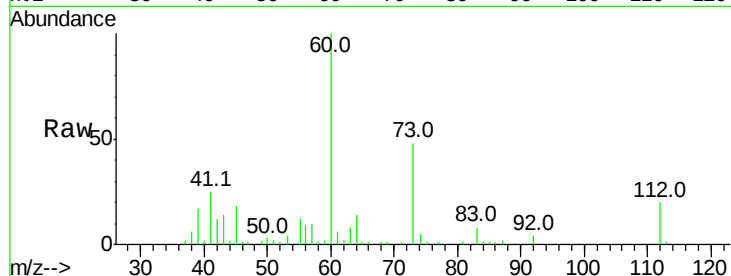
Tot Ion:112 Resp: 18870

Ion Ratio Lower Upper

112 100

64 67.4 38.6 57.8#

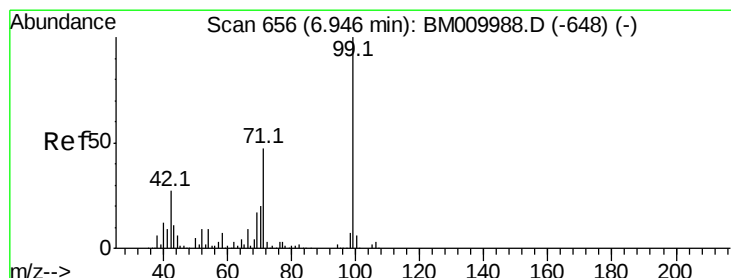
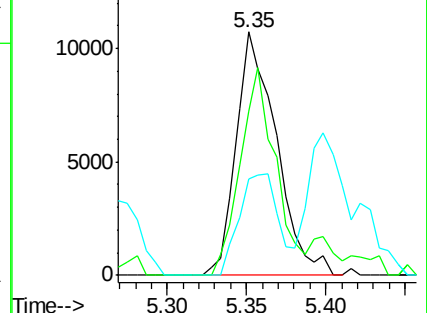
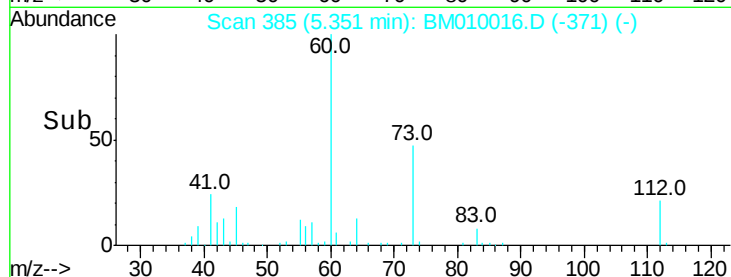
63 39.8 19.3 28.9#



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: 4.03 ng

RT: 6.95 min Scan# 656

Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

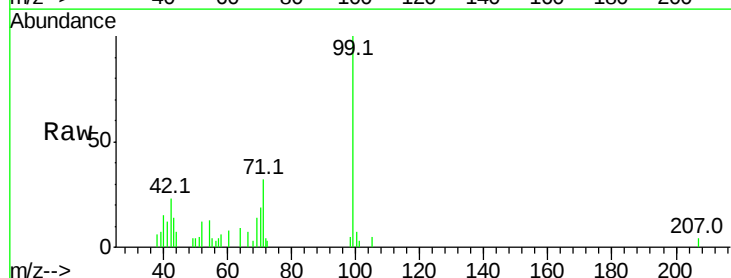
Tgt Ion: 99 Resp: 17179

Ion Ratio Lower Upper

99 100

42 23.4 11.0 16.4#

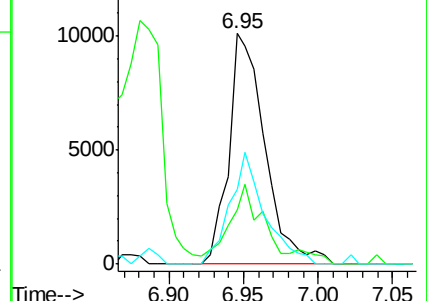
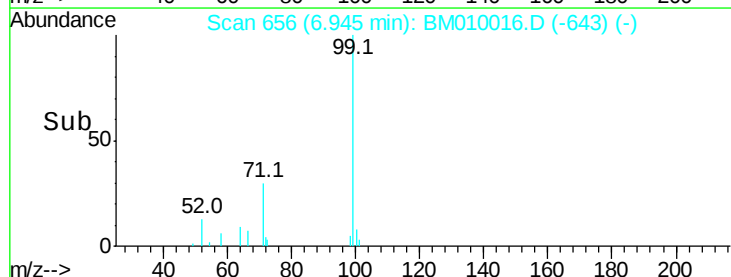
71 32.2 23.4 35.2

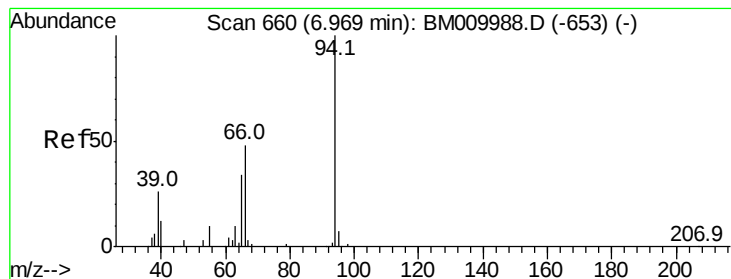


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#10

Phenol

Concen: 2.40 ng

RT: 6.98 min Scan# 662

Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Instrument :

BNA_M

ClientSampleId :

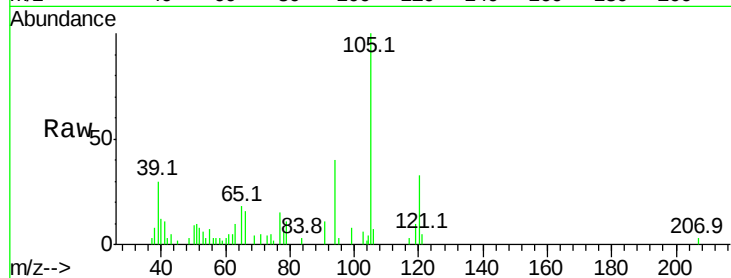
Tot Ion: 94 Resp: 11133

Ion Ratio Lower Upper

94 100

65 44.7 18.8 58.8

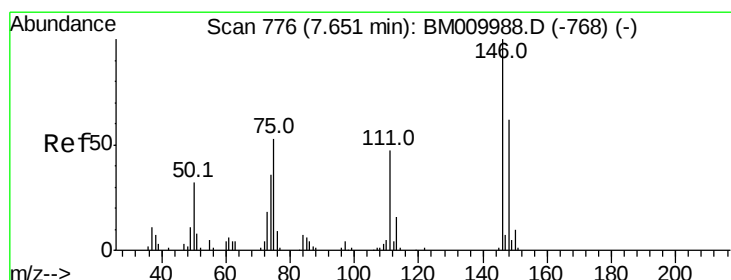
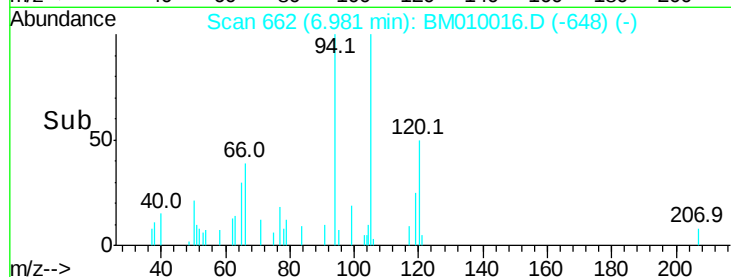
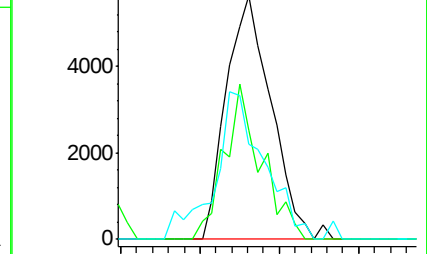
66 39.3 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM010016.D (-648) (-)

Ion 65.00 (64.70 to 65.70): BM010016.D (-648) (-)

Ion 66.00 (65.70 to 66.70): BM010016.D (-648) (-)



#12

1,3-Dichlorobenzene

Concen: 2.42 ng

RT: 7.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

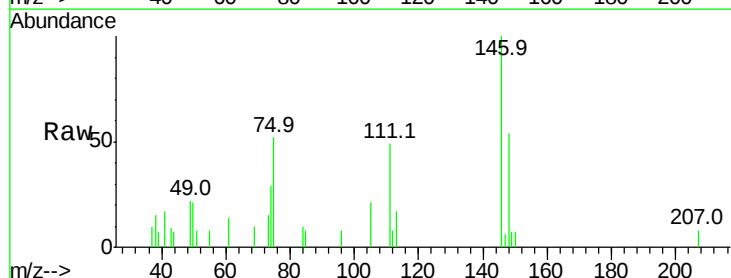
Tgt Ion: 146 Resp: 7819

Ion Ratio Lower Upper

146 100

148 61.2 50.9 76.3

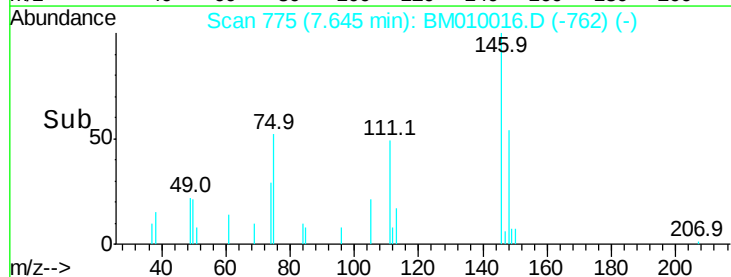
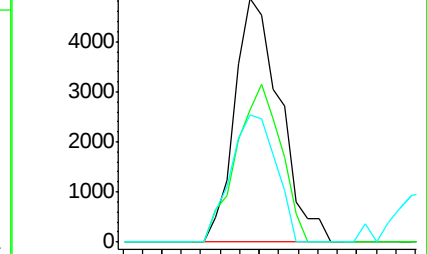
75 52.4 21.4 32.2#

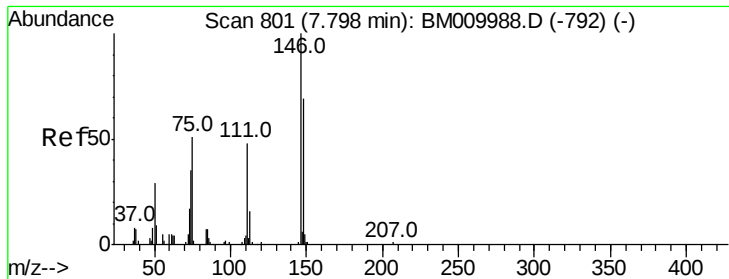


Abundance Ion 146.00 (145.70 to 146.70): BM010016.D (-762) (-)

Ion 148.00 (147.70 to 148.70): BM010016.D (-762) (-)

Ion 75.00 (74.70 to 75.70): BM010016.D (-762) (-)

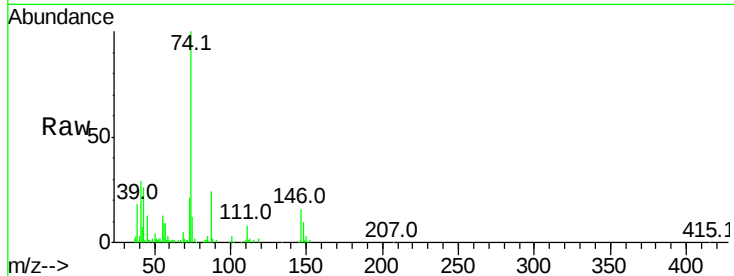




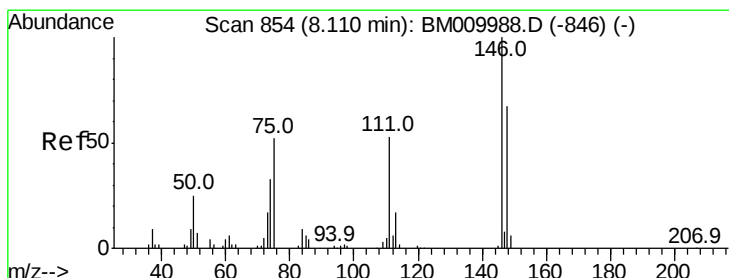
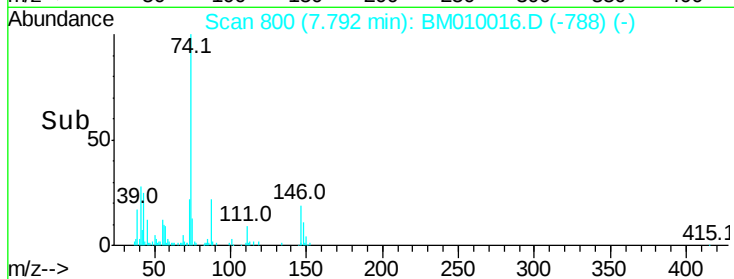
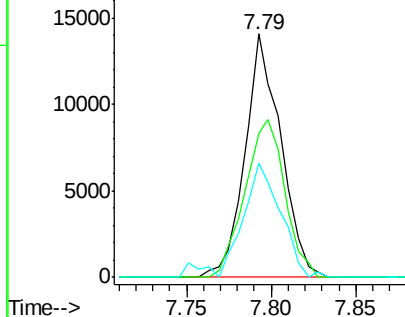
#13
 1,4-Dichlorobenzene
 Concen: 6.26 ng
 RT: 7.79 min Scan# 800
 Delta R.T. -0.03 min
 Lab File: BM010016.D
 Acq: 12 May 2017 10:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:146 Resp: 20695
 Ion Ratio Lower Upper
 146 100
 148 59.1 51.9 77.9
 111 47.2 29.2 43.8#

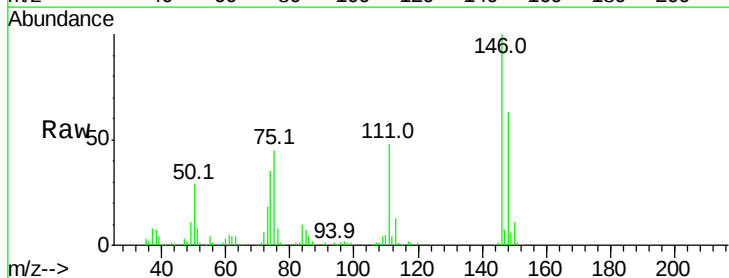


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

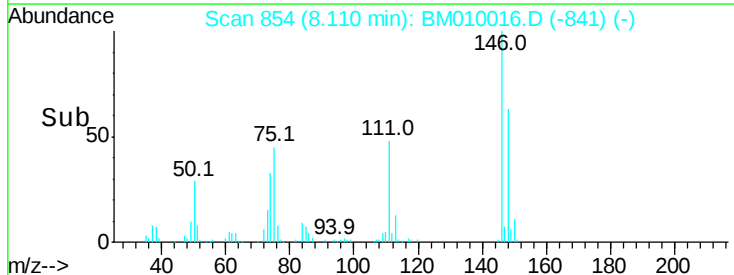
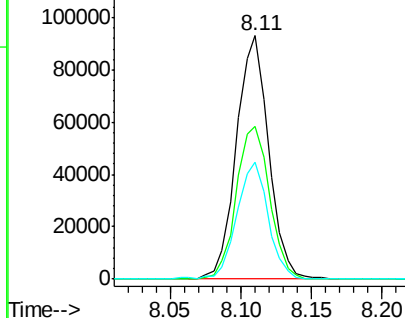


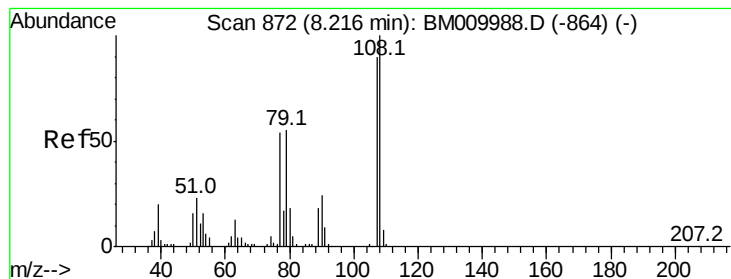
#14
 1,2-Dichlorobenzene
 Concen: 46.35 ng
 RT: 8.11 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: BM010016.D
 Acq: 12 May 2017 10:05

Tgt Ion:146 Resp: 148602
 Ion Ratio Lower Upper
 146 100
 148 62.6 52.3 78.5
 111 47.8 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#17

2-Methylphenol

Concen: 4.21 ng

RT: 8.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BM010016.D

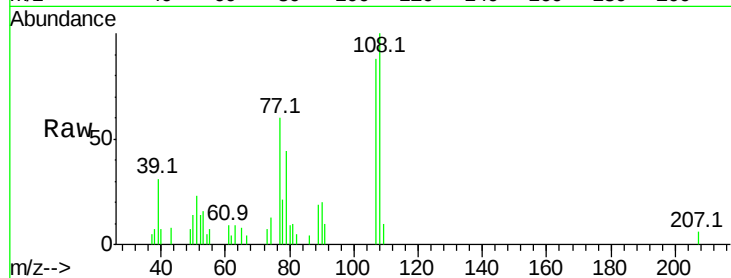
Acq: 12 May 2017 10:05

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	107	Resp:	12754
Ion	Ratio	Lower	Upper
107	100		
108	113.1	89.8	134.8
77	67.3	32.6	48.8#
79	50.3	32.8	49.2#



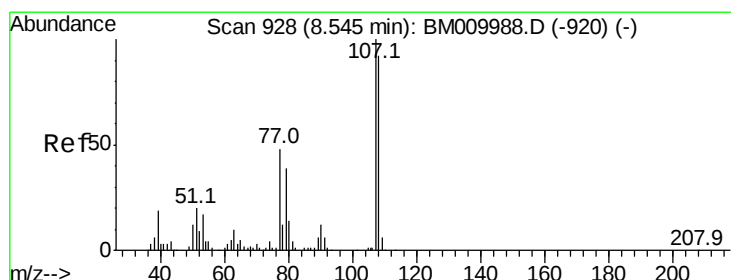
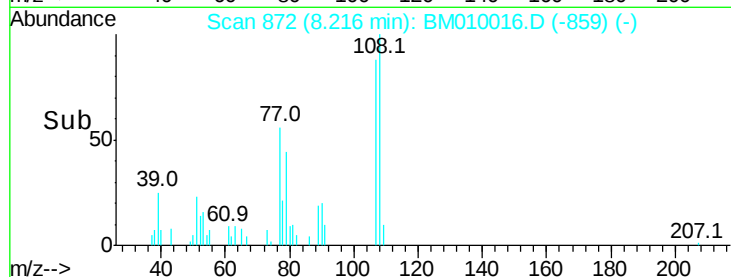
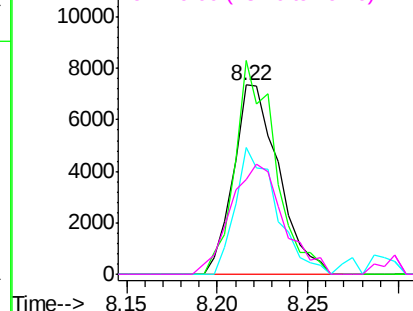
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC



#20

3+4-Methylphenols

Concen: 15.34 ng

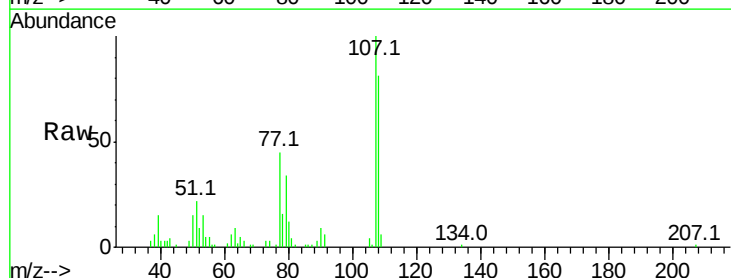
RT: 8.54 min Scan# 927

Delta R.T. -0.03 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Tgt Ion:	107	Resp:	63191
Ion	Ratio	Lower	Upper
107	100		
108	80.8	73.2	113.2
77	44.9	10.7	50.7
79	33.5	9.6	49.6



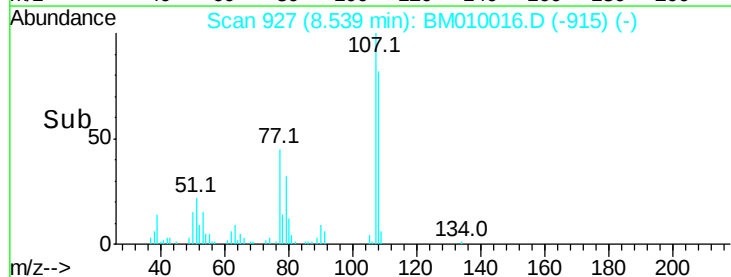
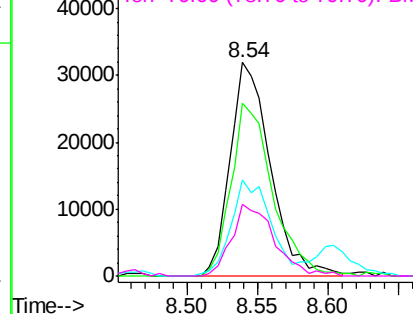
Abundance

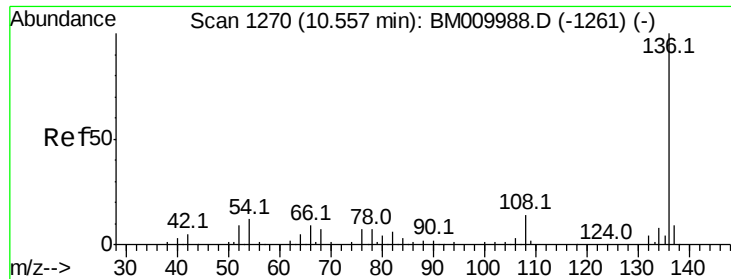
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC

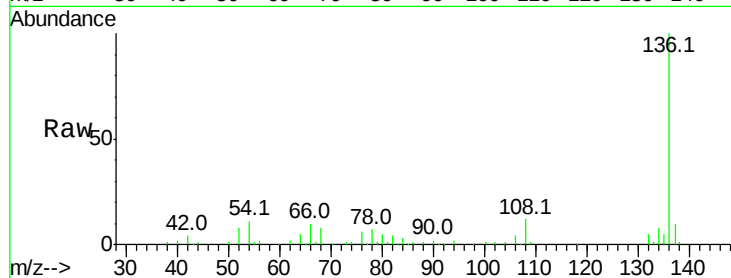




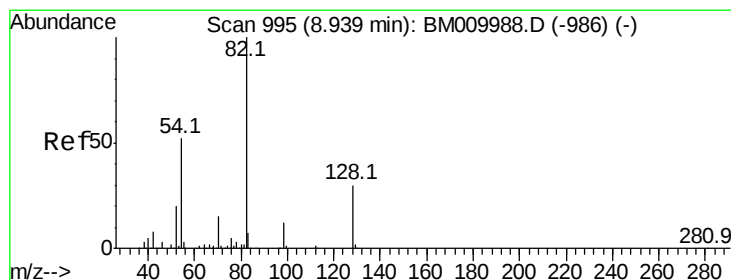
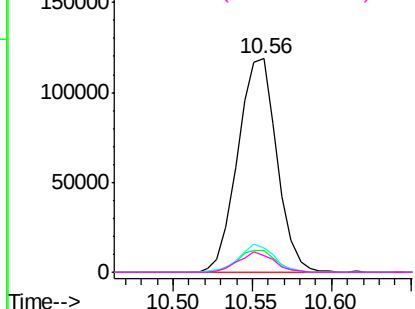
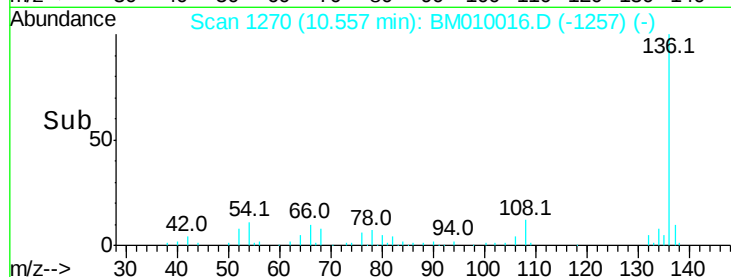
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	136	Resp:	203021
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	11.2	4.6	6.8#
68	8.0	3.7	5.5#

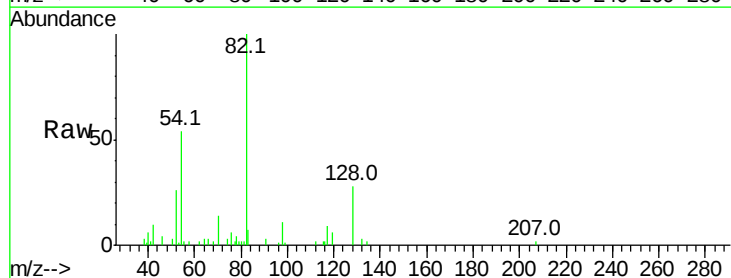


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

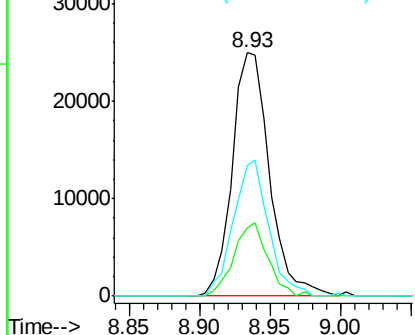
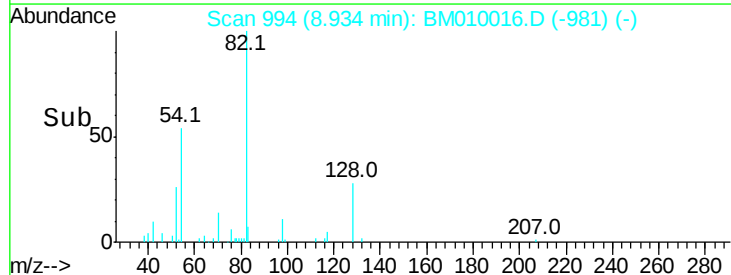


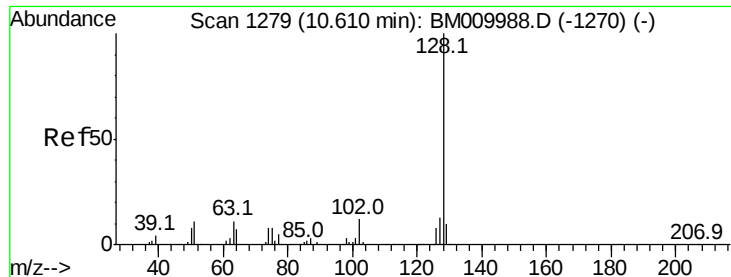
#23
Nitrobenzene-d5
Concen: 8.27 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.02 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

Tgt Ion:	82	Resp:	45970
Ion	Ratio	Lower	Upper
82	100		
128	28.3	32.8	49.2#
54	54.0	40.6	60.8



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

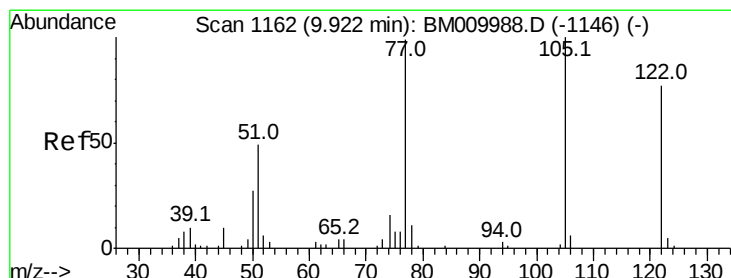
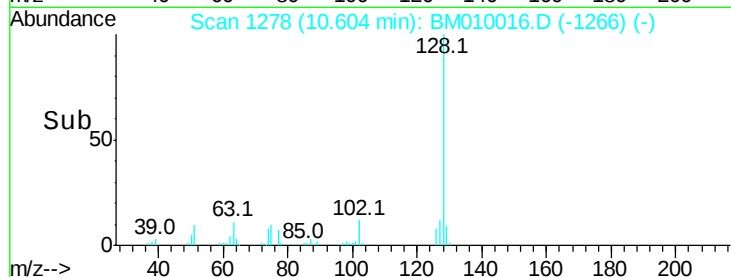
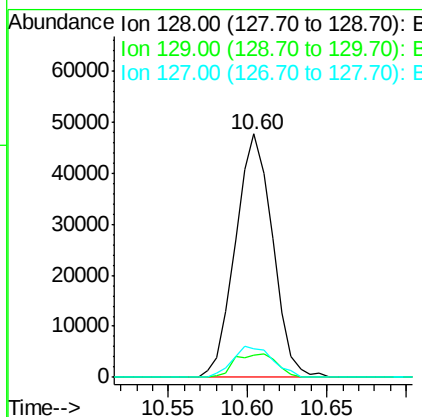
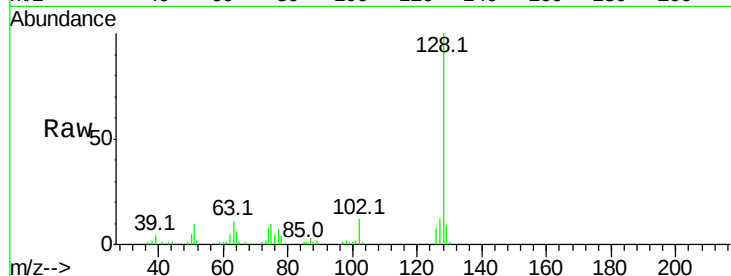




#31
Naphthalene
Concen: 6.95 ng
RT: 10.60 min Scan# 1278
Delta R.T. -0.03 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

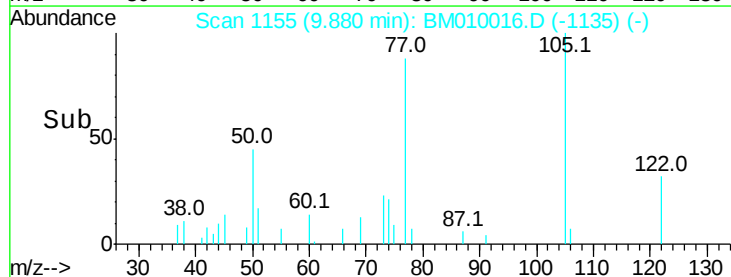
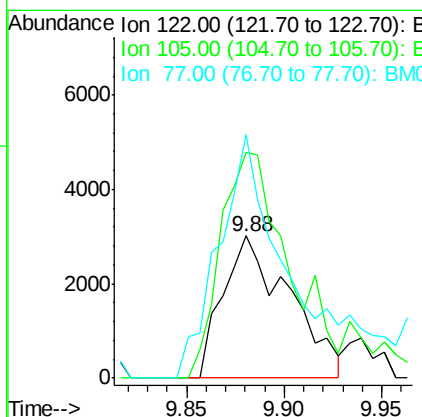
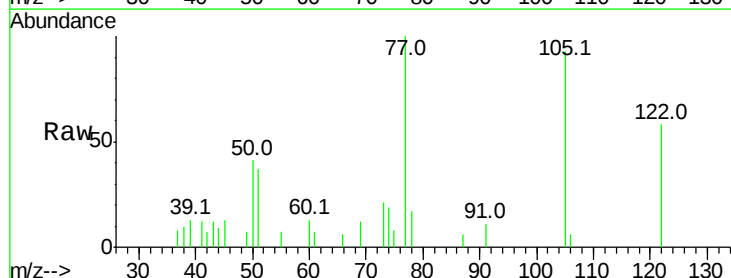
Instrument :
BNA_M
ClientSampleId :

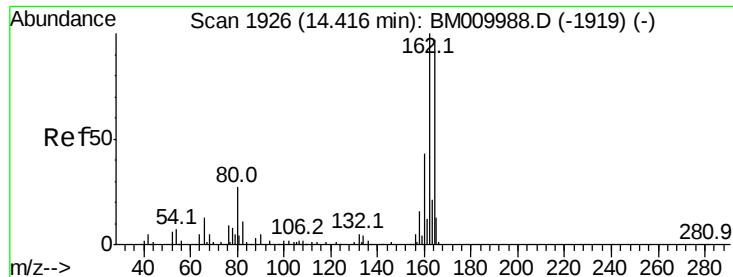
Tot Ion:128 Resp: 77724
Ion Ratio Lower Upper
128 100
129 8.9 8.9 13.3#
127 11.7 10.4 15.6



#32
Benzoic acid
Concen: 3.20 ng
RT: 9.88 min Scan# 1155
Delta R.T. -0.08 min
Lab File: BM010016.D
Acq: 12 May 2017 10:05

Tgt Ion:122 Resp: 7134
Ion Ratio Lower Upper
122 100
105 158.9 99.9 139.9#
77 171.4 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.42 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

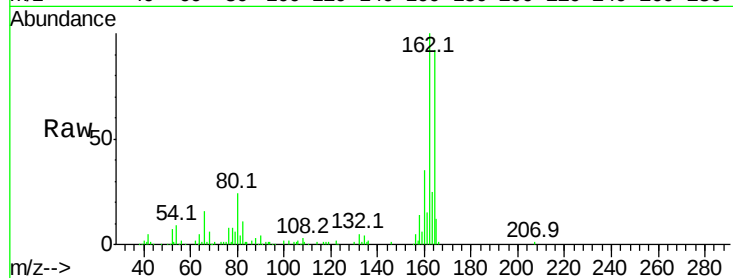
Instrument :

BNA_M

ClientSampleId :

Tot Ion:164 Resp: 129275

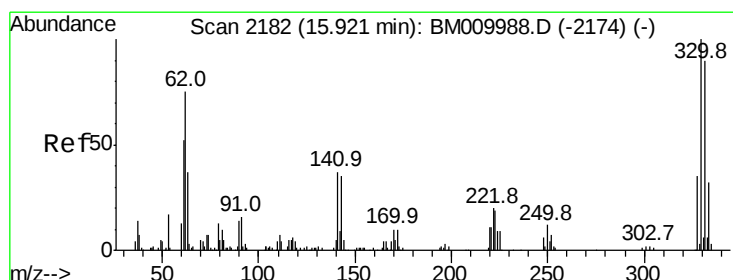
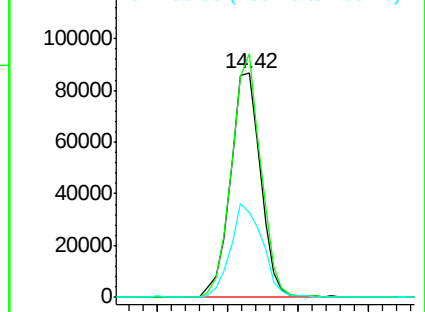
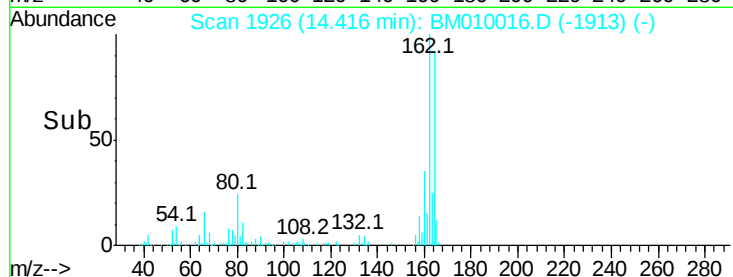
Ion	Ratio	Lower	Upper
164	100		
162	108.5	82.4	123.6
160	37.7	35.8	53.6



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: 13.79 ng

RT: 15.92 min Scan# 2181

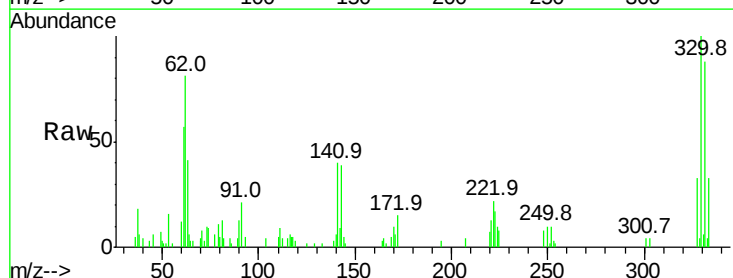
Delta R.T. -0.02 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Tgt Ion:330 Resp: 24394

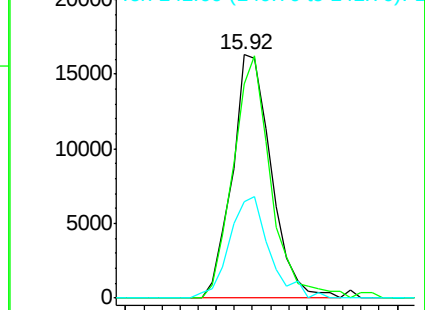
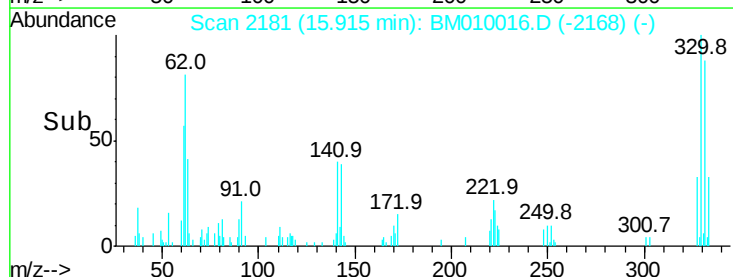
Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	42.6	0.0	0.0#

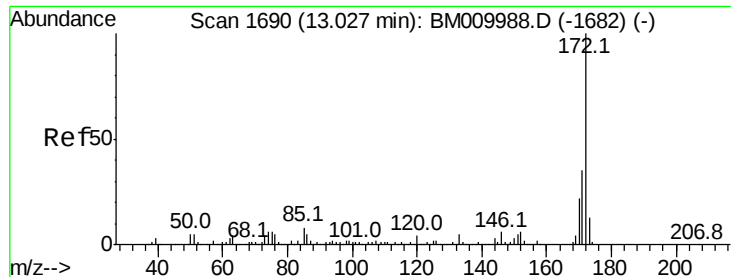


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 9.22 ng

RT: 13.02 min Scan# 1689

Delta R.T. -0.03 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Instrument :

BNA_M

ClientSampleId :

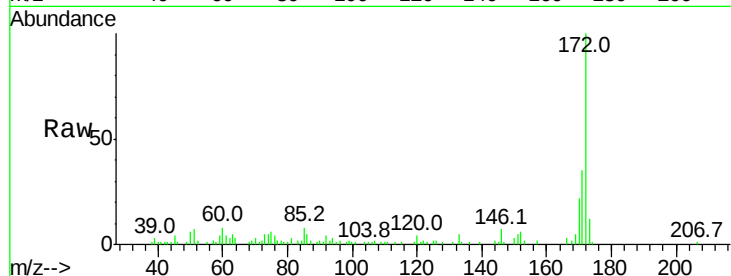
Tot Ion:172 Resp: 89119

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

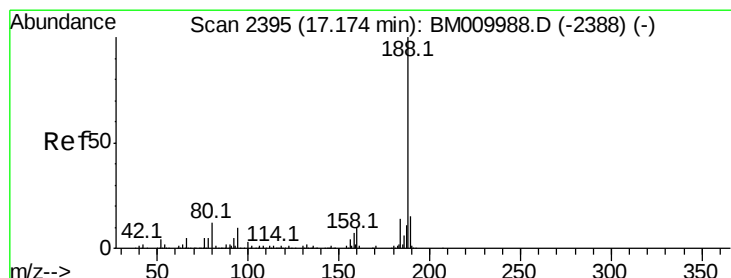
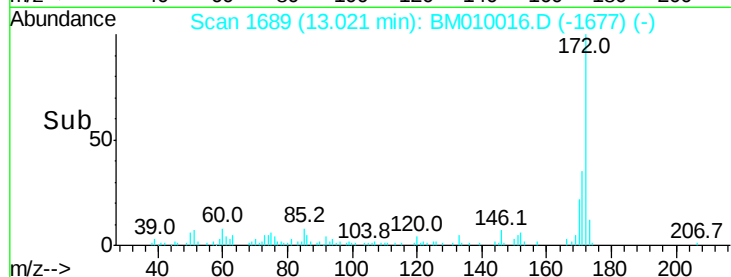
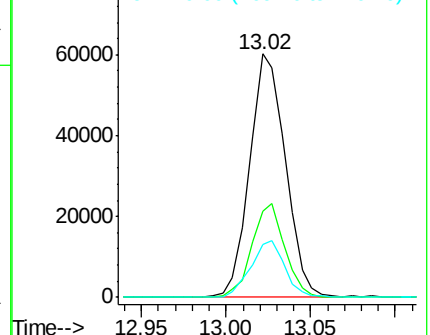
170 21.6 18.8 28.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2394

Delta R.T. -0.03 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

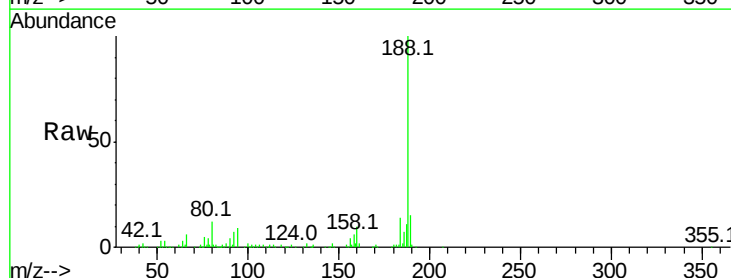
Tgt Ion:188 Resp: 356419

Ion Ratio Lower Upper

188 100

94 9.0 8.7 13.1

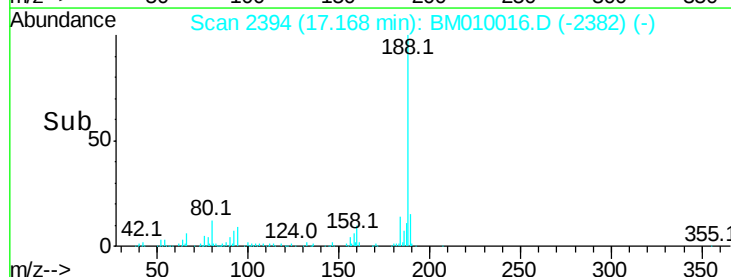
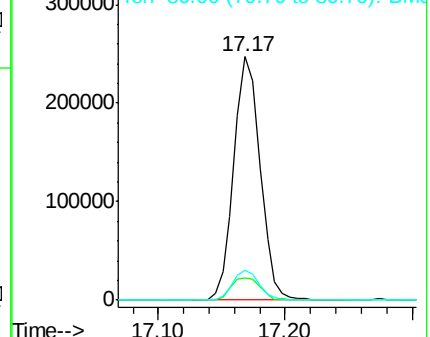
80 12.3 9.3 13.9

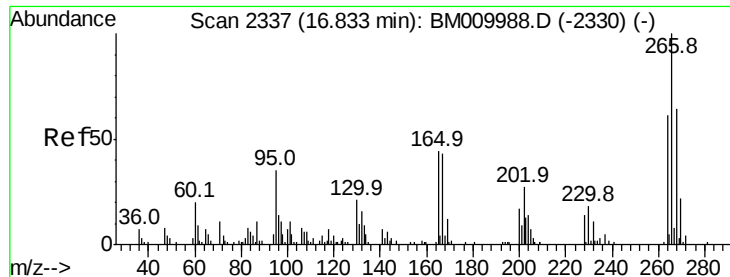


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#69

Pentachlorophenol

Concen: 6.20 ng

RT: 16.86 min Scan# 2342

Delta R.T. 0.01 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

Instrument :

BNA_M

ClientSampleId :

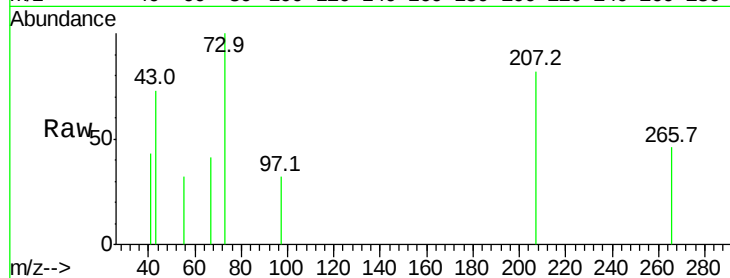
Tot Ion:266 Resp: 284

Ion Ratio Lower Upper

266 100

268 0.0 52.0 78.0#

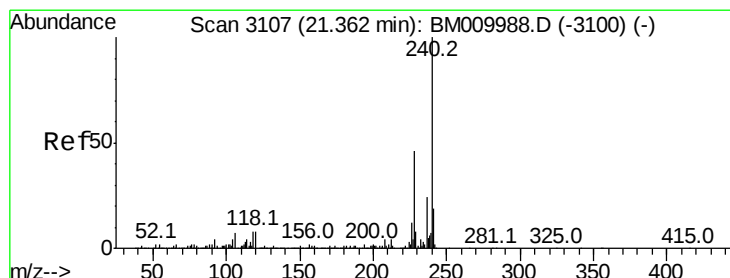
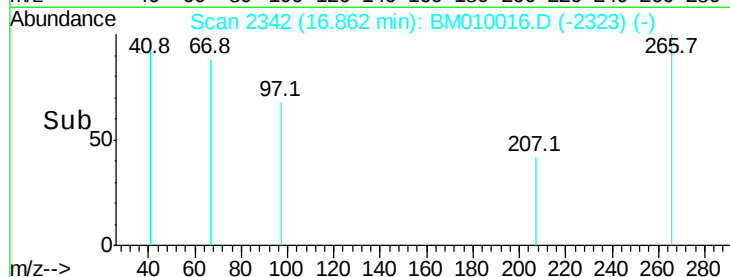
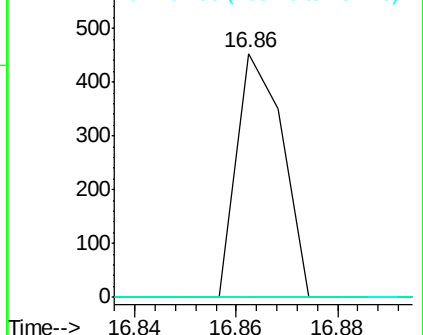
264 0.0 49.0 73.4#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.36 min Scan# 3106

Delta R.T. -0.03 min

Lab File: BM010016.D

Acq: 12 May 2017 10:05

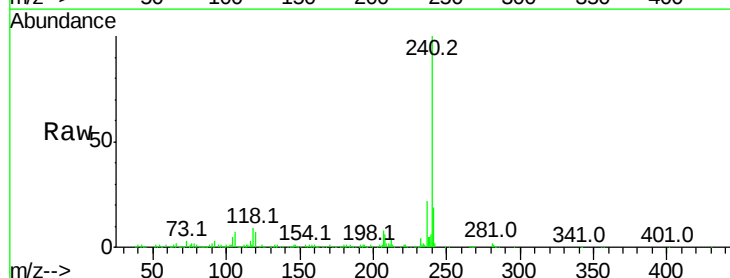
Tgt Ion:240 Resp: 489694

Ion Ratio Lower Upper

240 100

120 7.5 8.2 12.2#

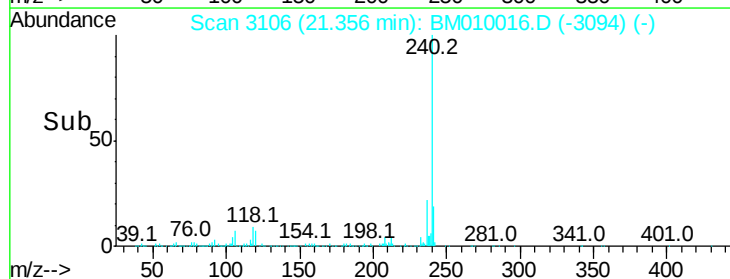
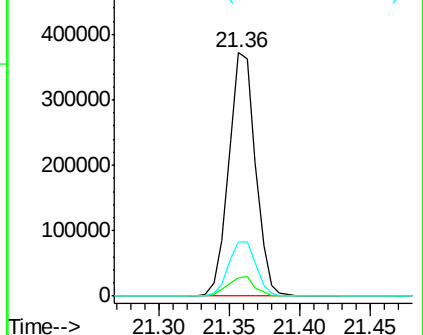
236 22.5 20.0 30.0

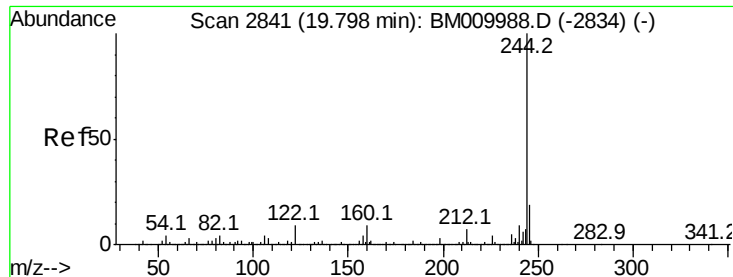


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

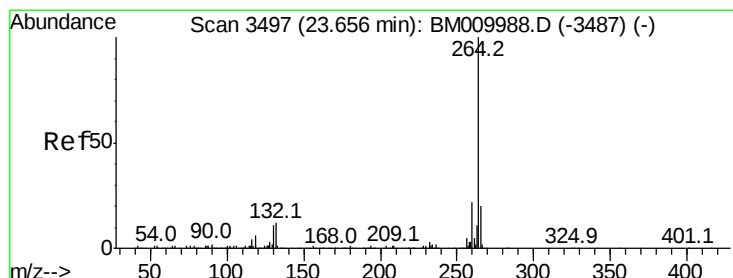
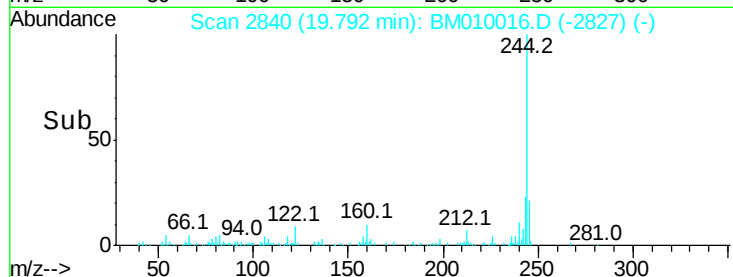
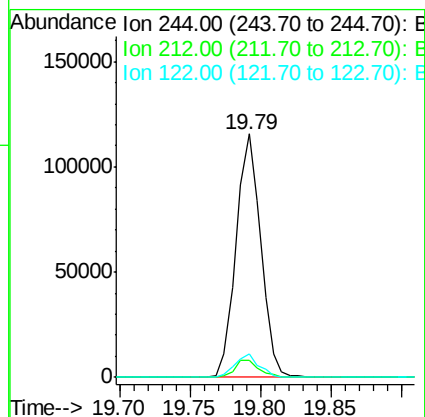
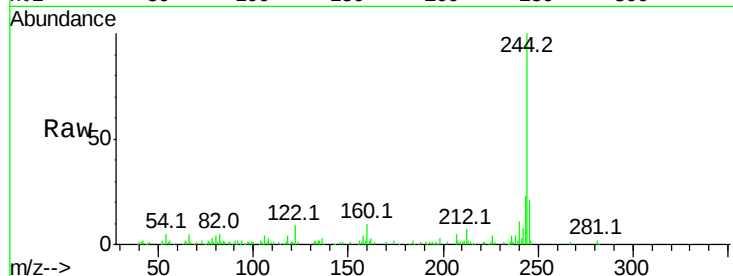




#78
 Terphenyl-d14
 Concen: 6.09 ng
 RT: 19.79 min Scan# 2840
 Delta R.T. -0.02 min
 Lab File: BM010016.D
 Acq: 12 May 2017 10:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	4.9	7.3
122	9.5	6.2	9.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.65 min Scan# 3496
 Delta R.T. -0.04 min
 Lab File: BM010016.D
 Acq: 12 May 2017 10:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	24.5	17.3	25.9

