

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
 Data File : BM010121.D
 Acq On : 23 May 2017 02:23
 Operator : SJ/MA
 Sample : I3222-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX-16

Quant Time: May 23 06:46:06 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:25:49 2017
 Response via : Initial Calibration

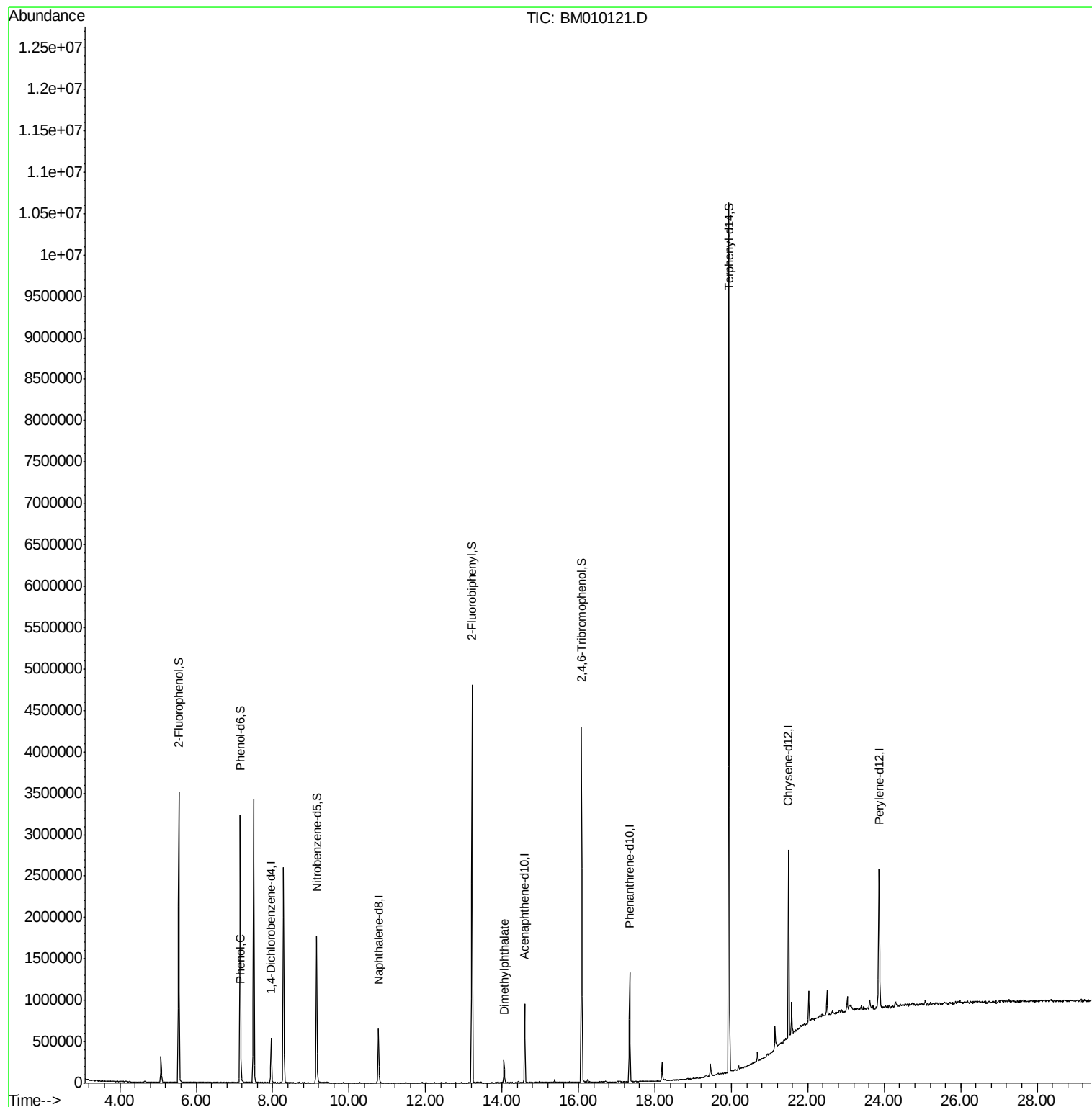
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	138988	20.00	ng	-0.01
21) Naphthalene-d8	10.77	136	477766	20.00	ng	-0.02
38) Acenaphthene-d10	14.59	164	301579	20.00	ng	-0.02
63) Phenanthrene-d10	17.34	188	759251	20.00	ng	-0.01
75) Chrysene-d12	21.50	240	1163815	20.00	ng	-0.01
86) Perylene-d12	23.86	264	1318988	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1279843	166.29	ng	-0.01
7) Phenol-d6	7.15	99	1564483	157.97	ng	-0.02
23) Nitrobenzene-d5	9.15	82	1003321	113.30	ng	-0.02
41) 2,4,6-Tribromophenol	16.09	330	758810	165.67	ng	-0.01
44) 2-Fluorobiphenyl	13.22	172	2392410	101.98	ng	-0.02
78) Terphenyl-d14	19.94	244	4312164	84.25	ng	-0.01
Target Compounds						
10) Phenol	7.17	94	33823	3.24	ng	Qvalue 89
49) Dimethylphthalate	14.05	163	164387	6.11	ng	# 98

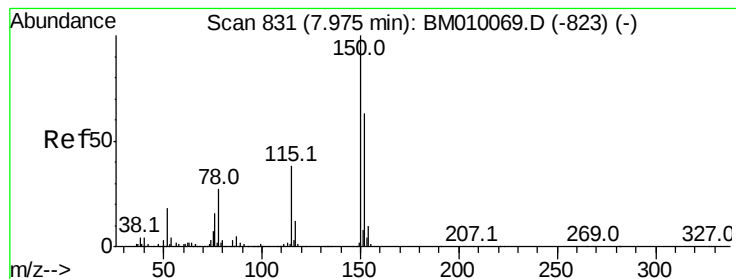
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Instrument :

BNA_M

ClientSampleId :

EX-16

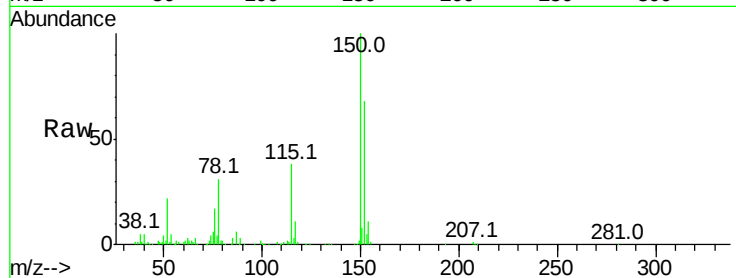
Tot Ion:152 Resp: 138988

Ion Ratio Lower Upper

152 100

150 147.2 119.5 179.3

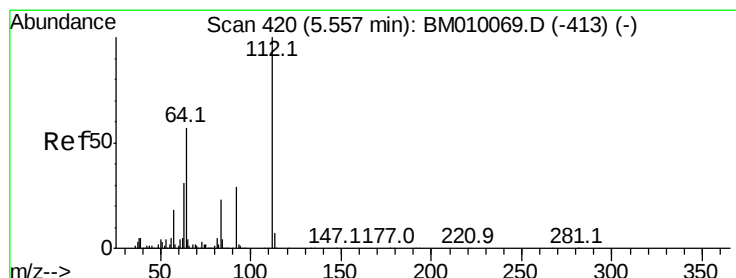
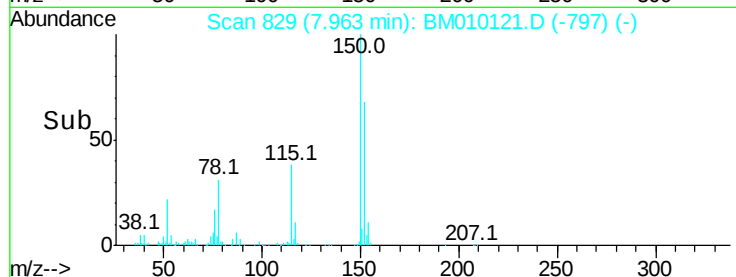
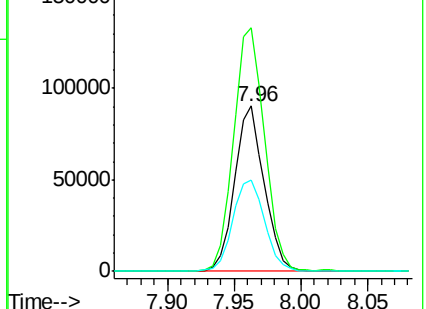
115 55.4 43.0 64.4



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



#5

2-Fluorophenol

Concen: 166.29 ng

RT: 5.55 min Scan# 418

Delta R.T. -0.01 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

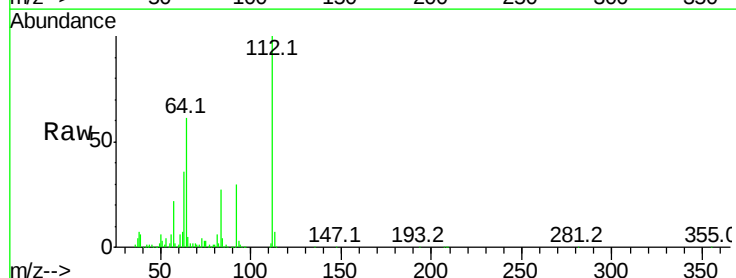
Tgt Ion:112 Resp: 1279843

Ion Ratio Lower Upper

112 100

64 61.2 38.6 57.8#

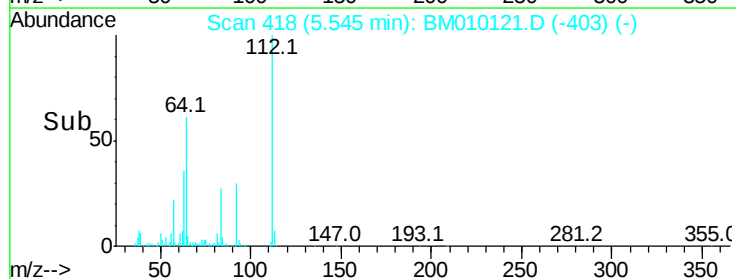
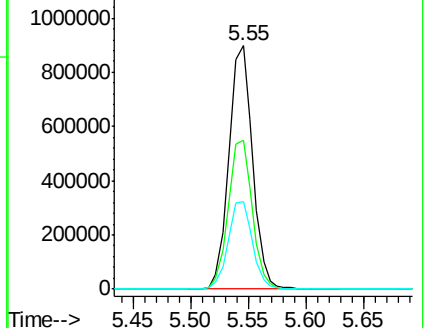
63 35.8 19.3 28.9#



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: 157.97 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Instrument :

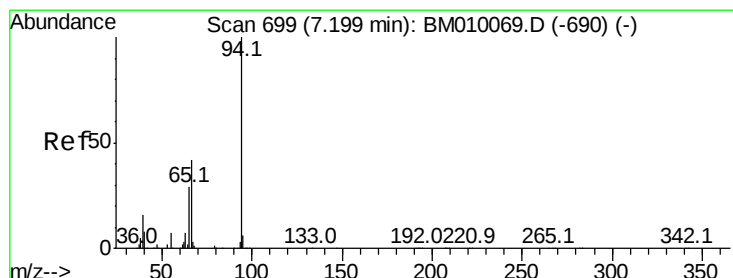
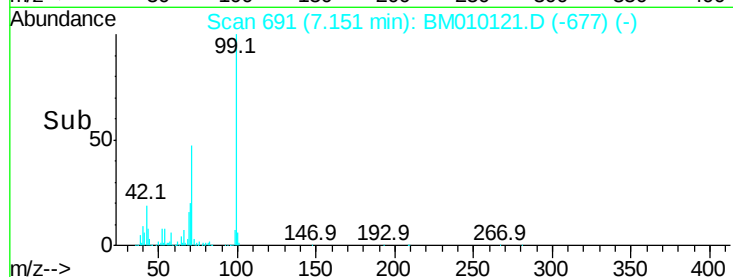
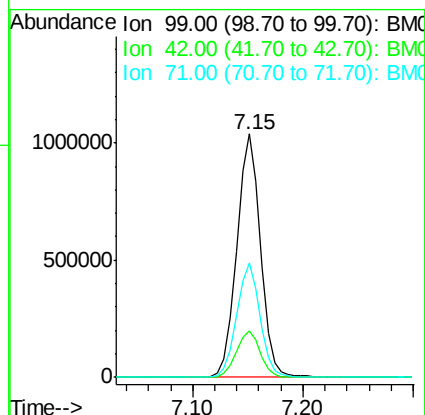
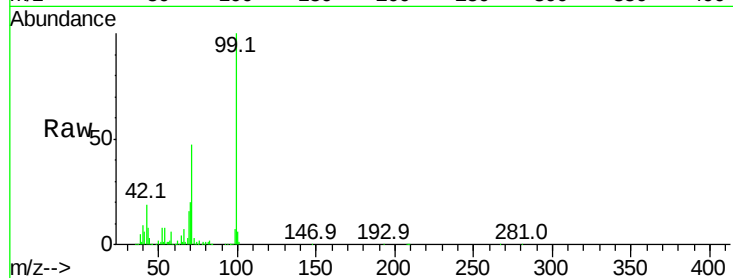
BNA_M

ClientSampled :

EX-16

Tot Ion: 99 Resp: 1564483

Ion	Ratio	Lower	Upper
99	100		
42	19.3	11.0	16.4#
71	47.2	23.4	35.2#



#10

Phenol

Concen: 3.24 ng

RT: 7.17 min Scan# 695

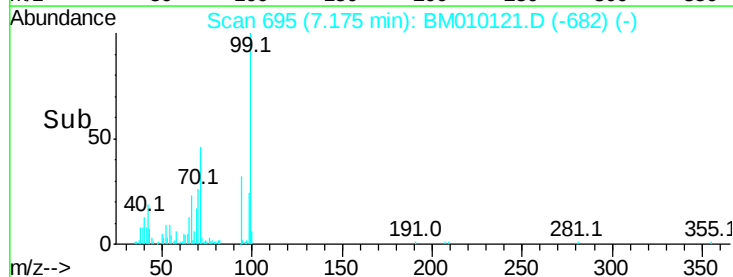
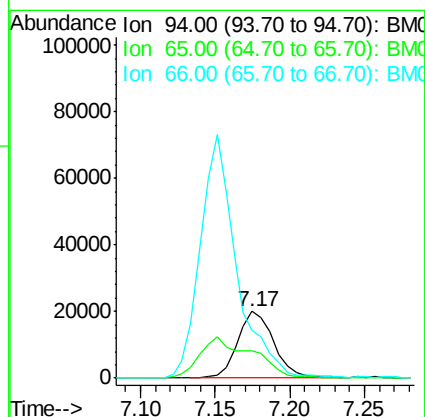
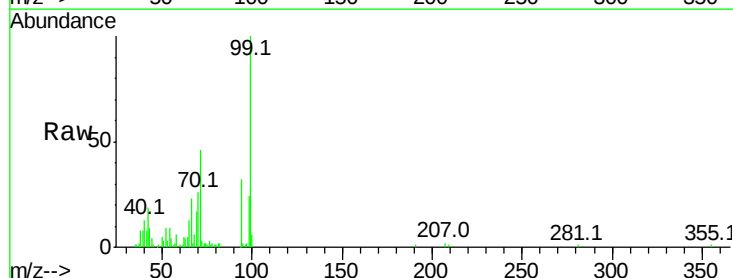
Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Tgt Ion: 94 Resp: 33823

Ion	Ratio	Lower	Upper
94	100		
65	41.1	18.8	58.8
66	71.3	39.9	79.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Instrument :

BNA_M

ClientSampleId :

EX-16

Tot Ion:136 Resp: 477766

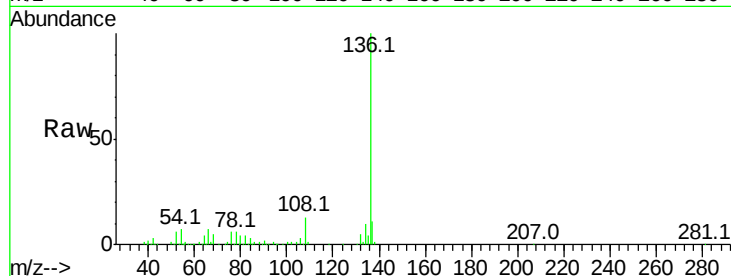
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 7.3 4.6 6.8#

68 4.8 3.7 5.5

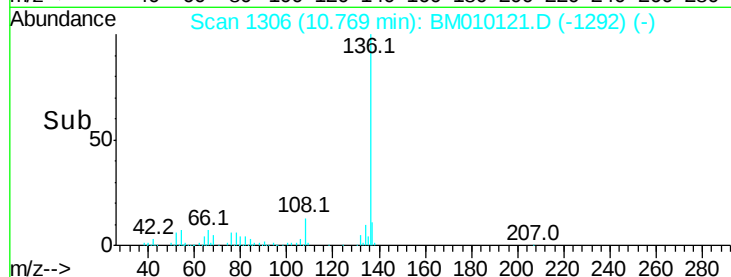


Abundance Ion 136.00 (135.70 to 136.70): E

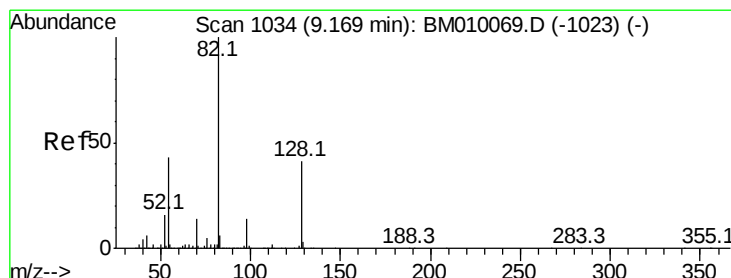
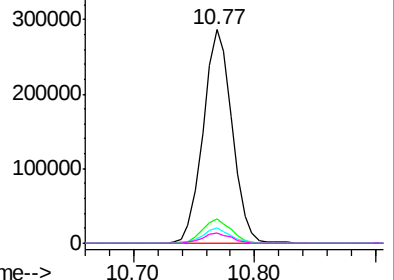
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#23

Nitrobenzene-d5

Concen: 113.30 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

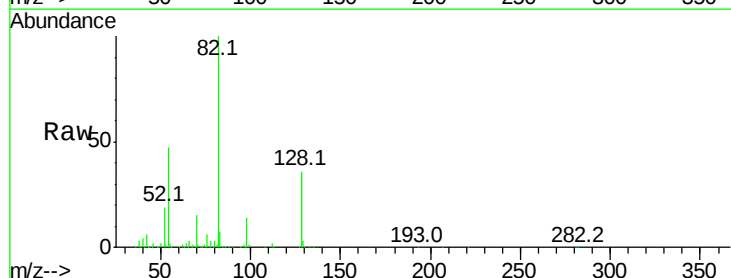
Tgt Ion: 82 Resp: 1003321

Ion Ratio Lower Upper

82 100

128 35.7 32.8 49.2

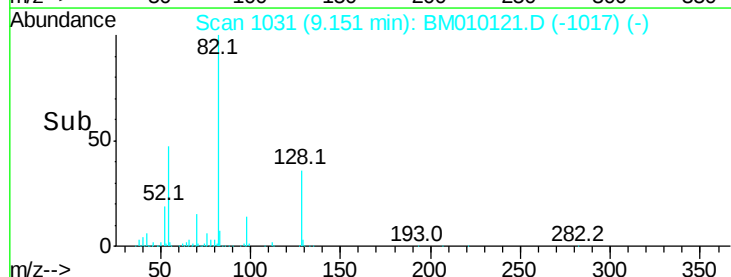
54 46.8 40.6 60.8



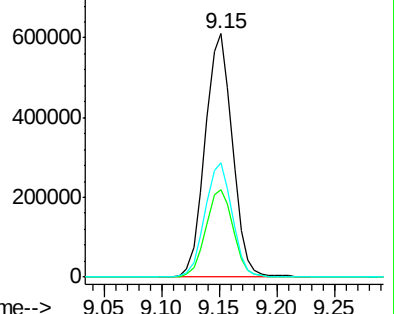
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.59 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Instrument :

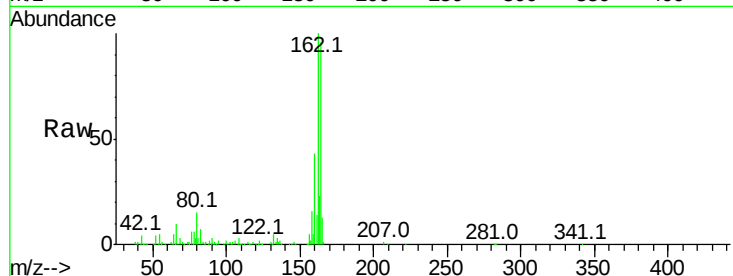
BNA_M

ClientSampleId :

EX-16

Tot Ion:164 Resp: 301579

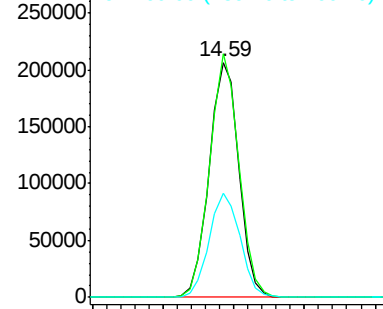
Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.4	123.6
160	44.3	35.8	53.6



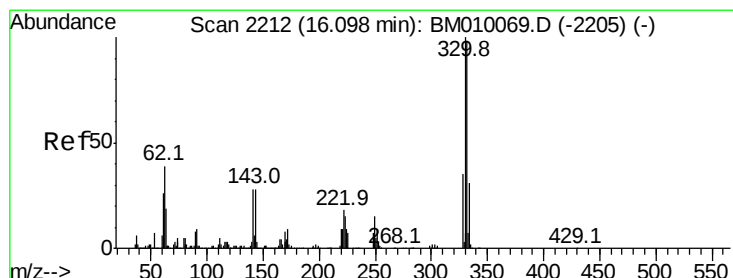
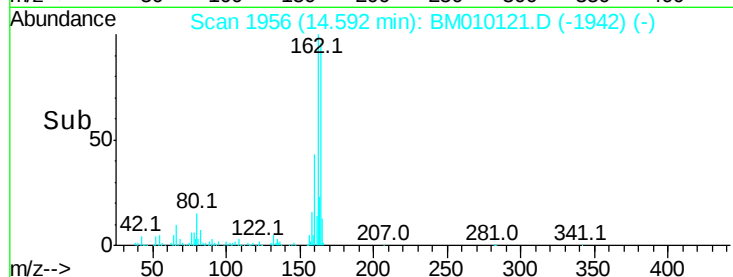
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.50 14.55 14.60 14.65



#41

2,4,6-Tribromophenol

Concen: 165.67 ng

RT: 16.09 min Scan# 2210

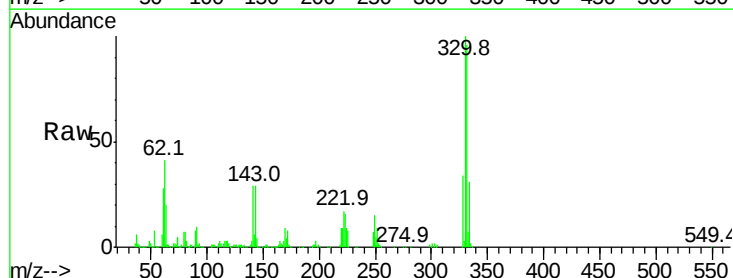
Delta R.T. -0.01 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Tgt Ion:330 Resp: 758810

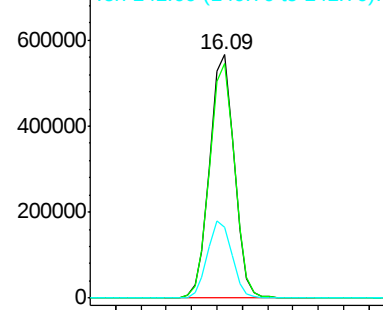
Ion	Ratio	Lower	Upper
330	100		
332	97.9	0.0	0.0#
141	31.6	0.0	0.0#



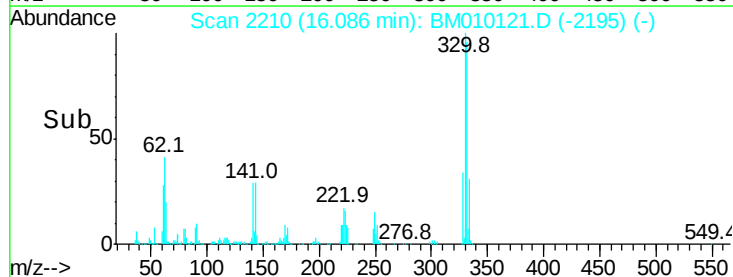
Abundance Ion 329.80 (329.50 to 330.50): E

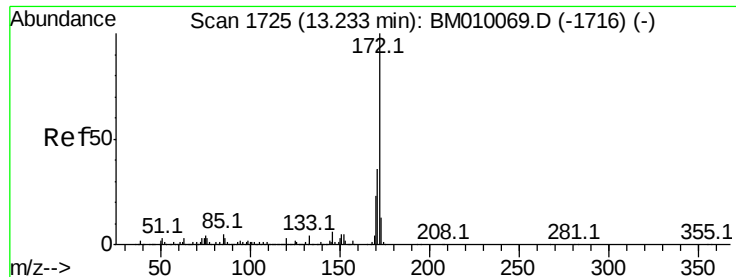
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.00 16.10

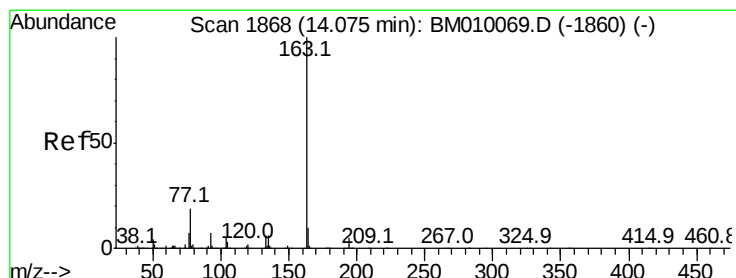
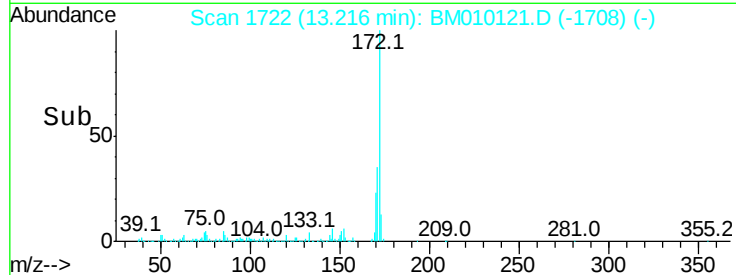
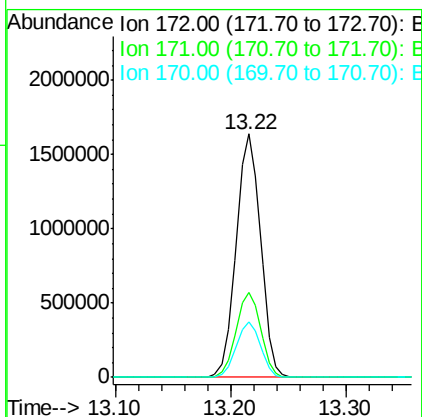
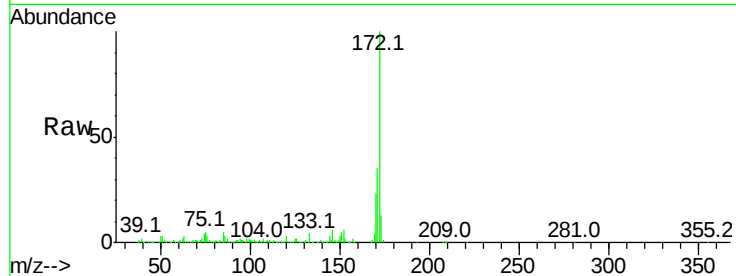




#44
2-Fluorobiphenyl
Concen: 101.98 ng
RT: 13.22 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BM010121.D
Acq: 23 May 2017 02:23

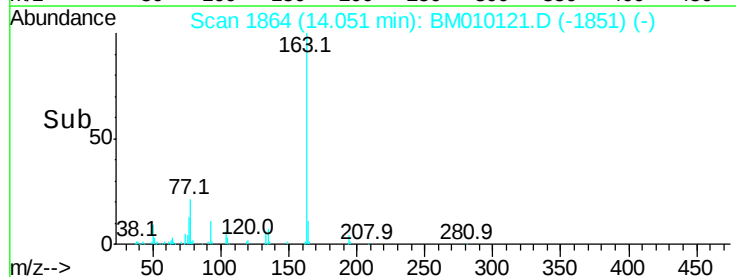
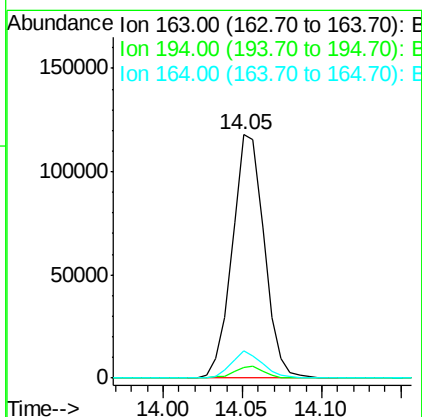
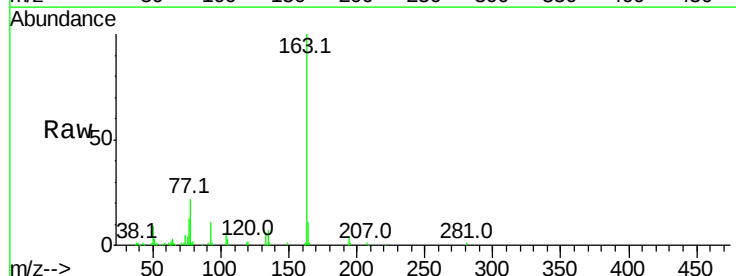
Instrument :
BNA_M
ClientSampleId :
EX-16

Tot Ion:172 Resp: 2392410
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.0 18.8 28.2



#49
Dimethylphthalate
Concen: 6.11 ng
RT: 14.05 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BM010121.D
Acq: 23 May 2017 02:23

Tgt Ion:163 Resp: 164387
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 11.0 8.2 12.2

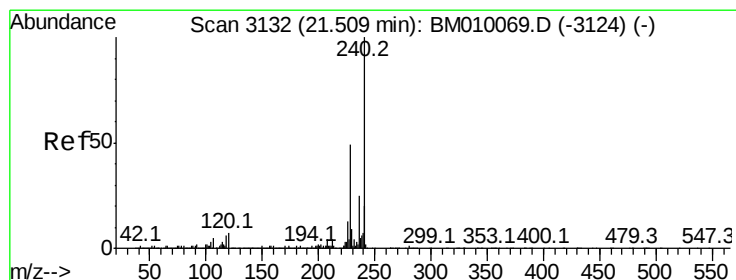
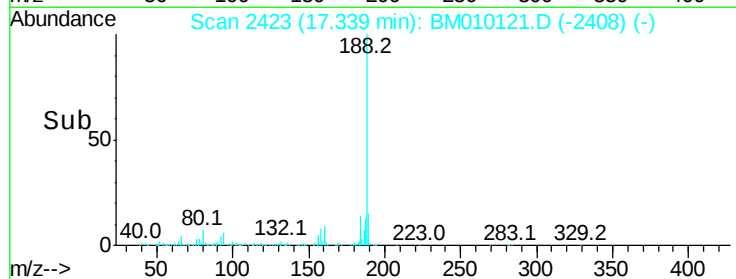
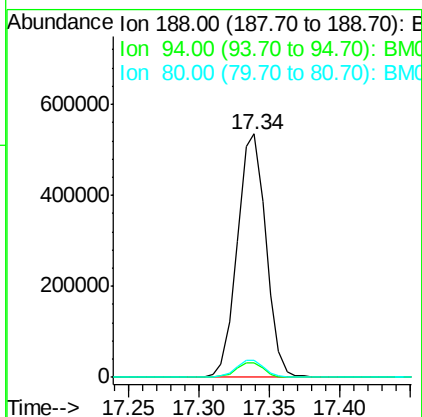
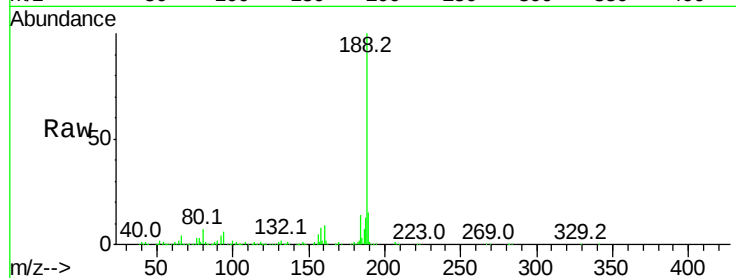




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.34 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BM010121.D
Acq: 23 May 2017 02:23

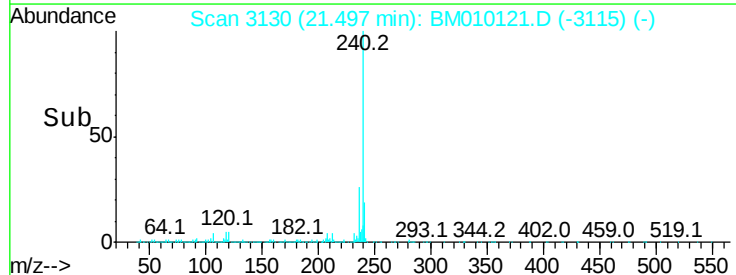
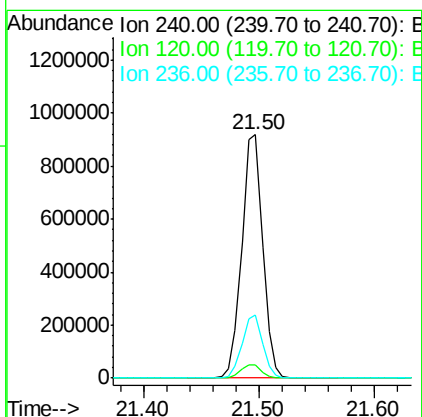
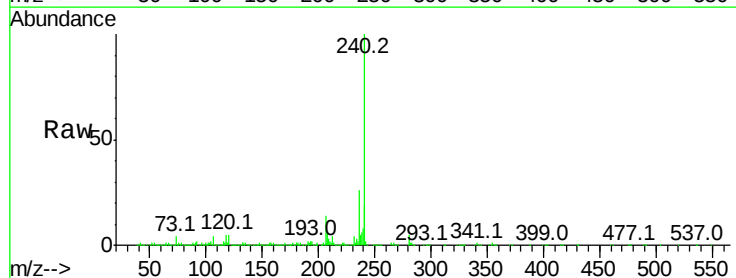
Instrument :
BNA_M
ClientSampleId :
EX-16

Tot Ion	Ratio	Lower	Upper
188	100		
94	5.9	8.7	13.1#
80	6.8	9.3	13.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.50 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM010121.D
Acq: 23 May 2017 02:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	8.2	12.2#
236	25.7	20.0	30.0





#78

Terphenyl-d14

Concen: 84.25 ng

RT: 19.94 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Instrument :

BNA_M

ClientSampleId :

EX-16

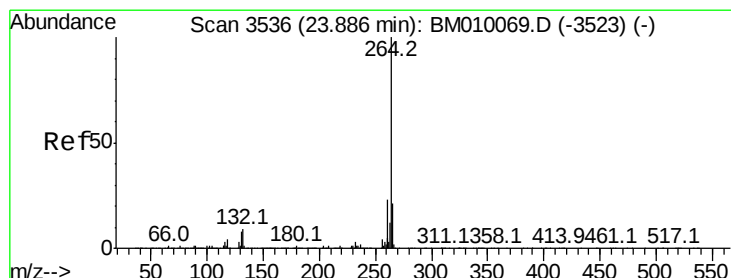
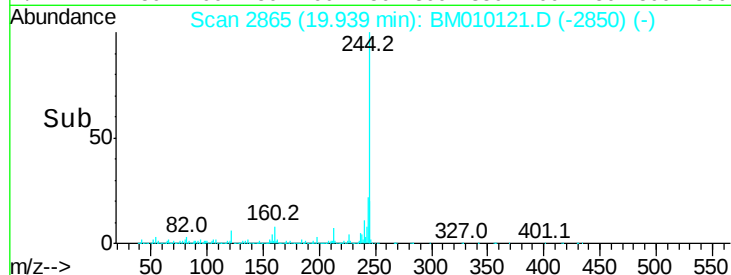
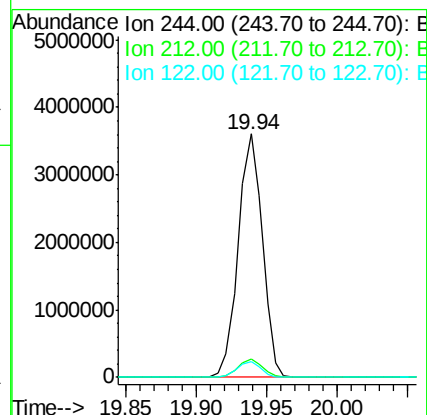
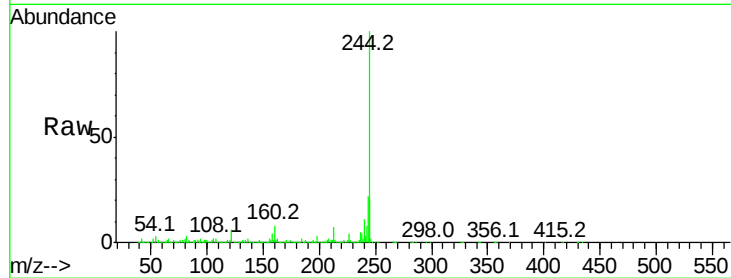
Tot Ion:244 Resp: 4312164

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

122 6.4 6.2 9.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.86 min Scan# 3532

Delta R.T. -0.02 min

Lab File: BM010121.D

Acq: 23 May 2017 02:23

Tgt Ion:264 Resp: 1318988

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.9 17.3 25.9

