

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
 Data File : BM003436.D
 Acq On : 10 Dec 2015 05:18
 Operator : UM/IZ
 Sample : G4681-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Manual Integrations
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MMdadoda
 12/10/2015 5:48:35 PM

Quant Time: Dec 10 11:57:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	84646	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	301990m	20.00	ng	0.03
38) Acenaphthene-d10	14.37	164	211392	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	435970	20.00	ng	0.00
75) Chrysene-d12	21.32	240	389089	20.00	ng	0.00
86) Perylene-d12	23.57	264	356510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	280254	58.86	ng	0.00
7) Phenol-d6	6.89	99	243912	36.89	ng	0.00
23) Nitrobenzene-d5	8.89	82	531911	109.21	ng	0.00
41) 2,4,6-Tribromophenol	15.87	330	275773	130.63	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	1253744	80.80	ng	0.00
78) Terphenyl-d14	19.76	244	1342836	81.39	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.66	128	27798335m	1759.10	ng	
37) 2-Methylnaphthalene	12.22	142	6180890	570.23	ng	# 96
45) 1,1'-Biphenyl	13.20	154	784955	41.87	ng	98
48) Acenaphthylene	14.11	152	4744289	206.66	ng	97
51) Acenaphthene	14.44	154	321143	24.14	ng	99
54) Dibenzofuran	14.77	168	319551	16.63	ng	93
57) Fluorene	15.43	166	1108584	69.60	ng	100
70) Phenanthrene	17.17	178	1805582	73.80	ng	99
71) Anthracene	17.25	178	440464	18.12	ng	99
72) Carbazole	17.53	167	439891	20.77	ng	100
74) Fluoranthene	19.18	202	223987	8.88	ng	97
77) Pyrene	19.54	202	272438	9.98	ng	100

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

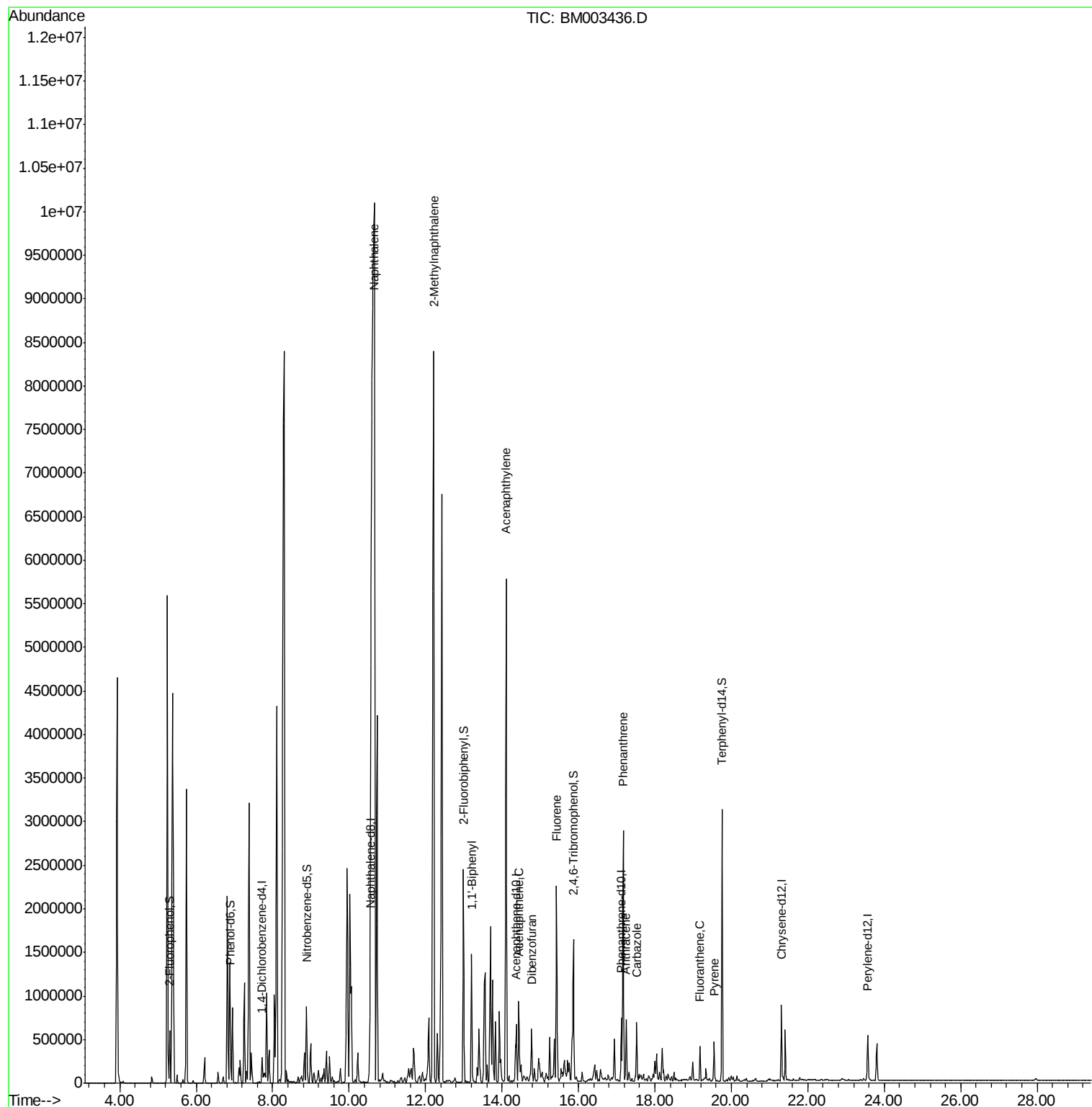
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003436.D
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Operator : UM/IZ
Sample : G4681-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

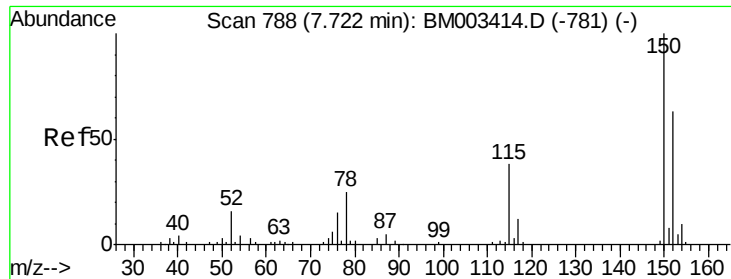
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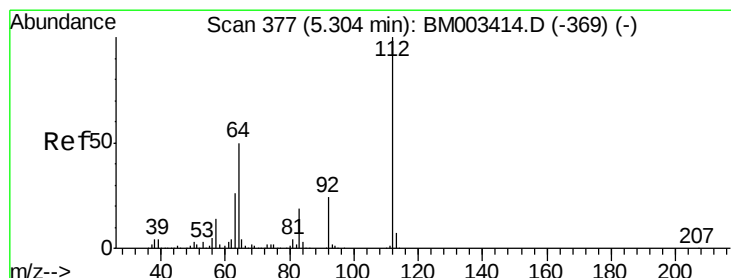
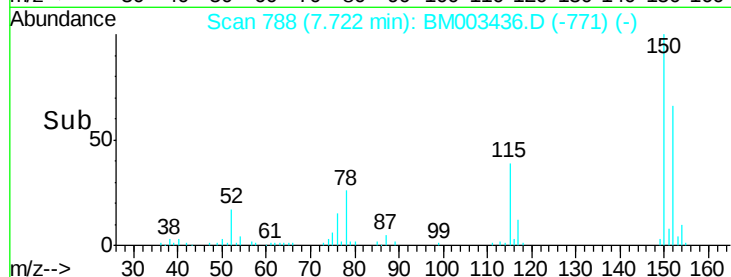
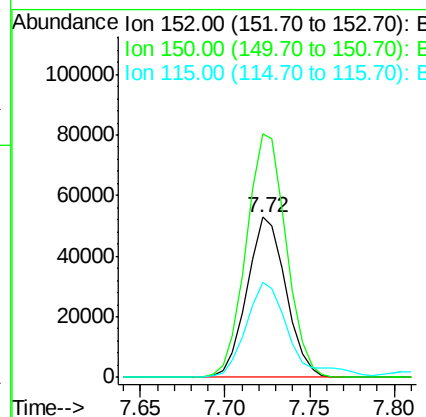
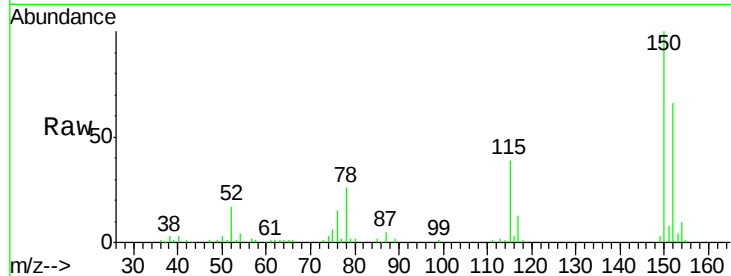
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

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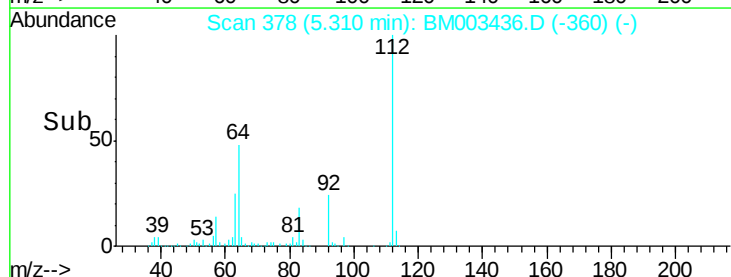
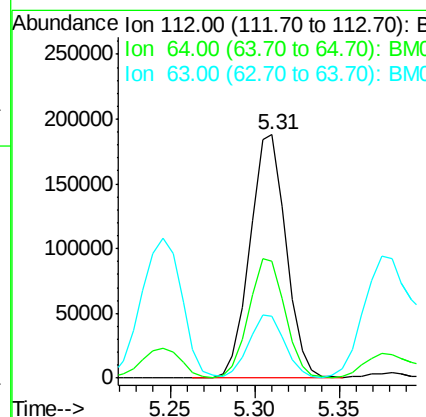
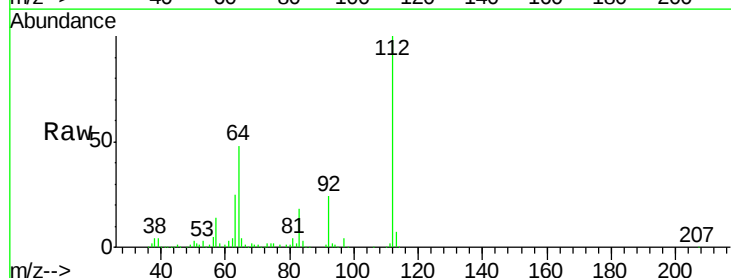
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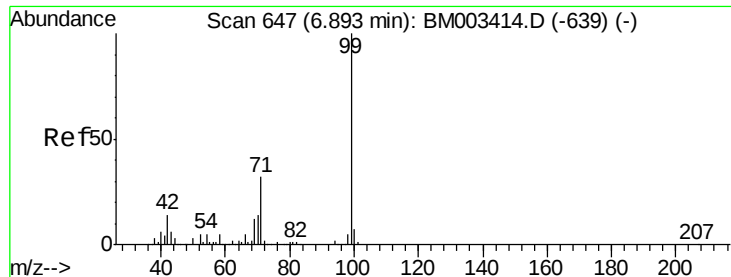
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	119.5	179.3
115	59.7	43.0	64.4



#5
 2-Fluorophenol
 Concen: 58.86 ng
 RT: 5.31 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	38.6	57.8
63	25.3	19.3	28.9





#7

Phenol-d6

Concen: 36.89 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

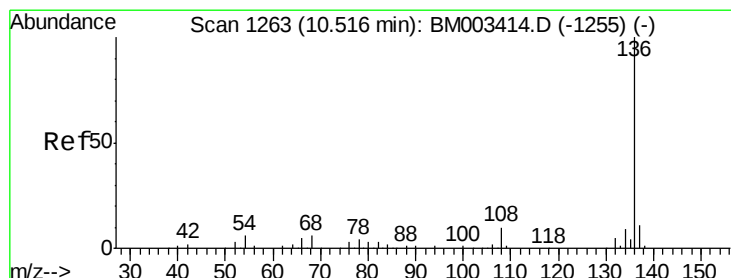
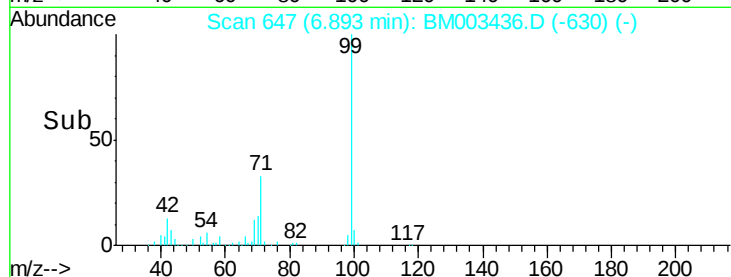
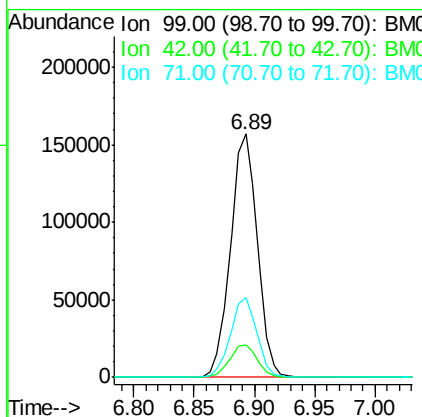
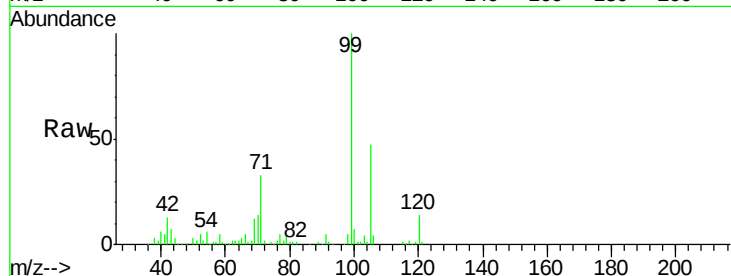
ClientSampleId :

20151203-MGP218-BRV108

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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	243912		
42	13.3	11.0	16.4	
71	32.7	23.4	35.2	



#21

Naphthalene-d8

Concen: 20.00 ng m

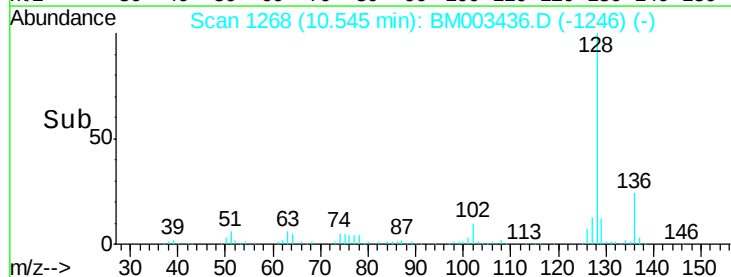
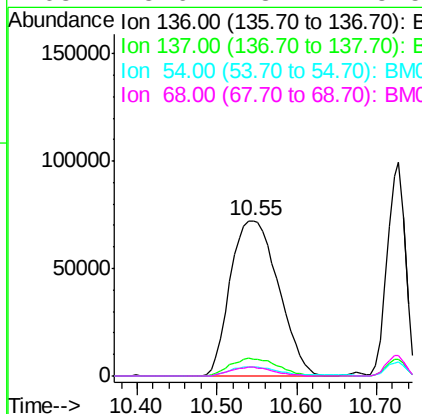
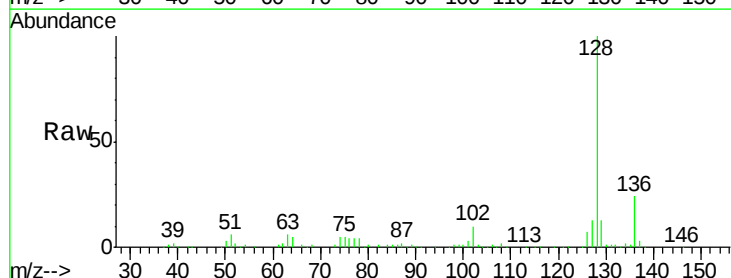
RT: 10.55 min Scan# 1268

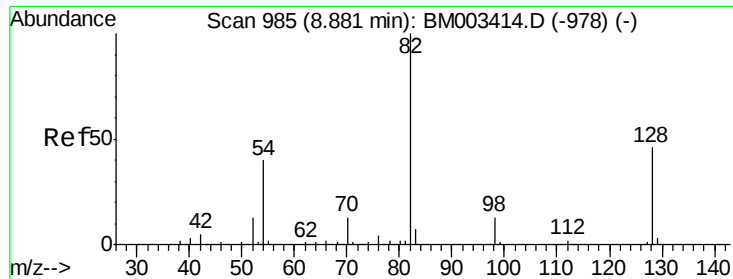
Delta R.T. 0.03 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	301990		
137	10.8	8.7	13.1	
54	6.1	4.6	6.8	
68	5.6	3.7	5.5	





#23

Nitrobenzene-d5

Concen: 109.21 ng

RT: 8.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

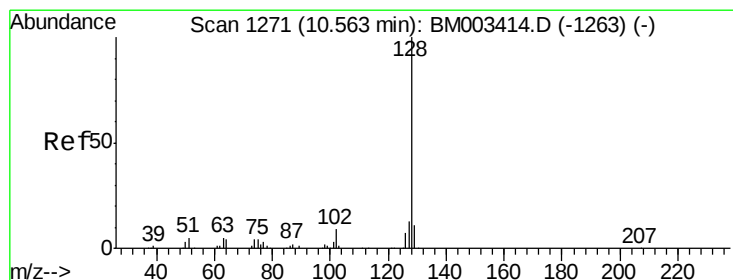
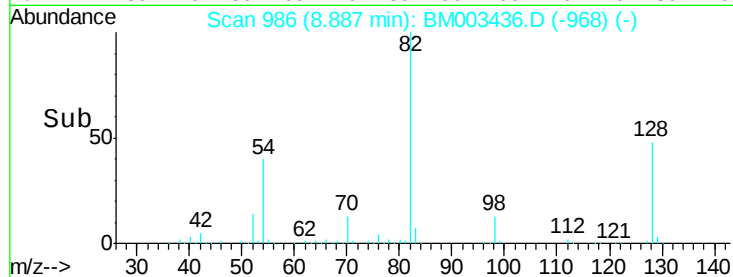
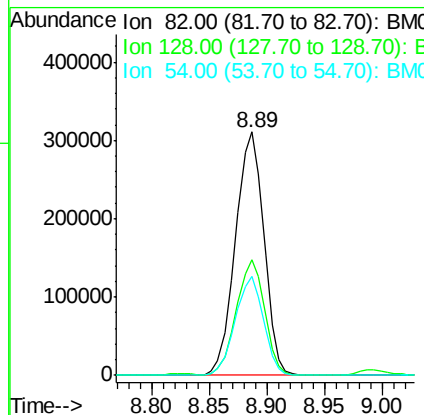
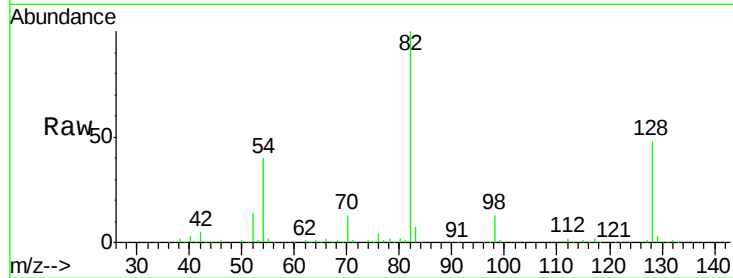
ClientSampleId :

20151203-MGP218-BRV108

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	32.8	49.2
54	40.4	40.6	60.8#

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#31

Naphthalene

Concen: 1759.10 ng m

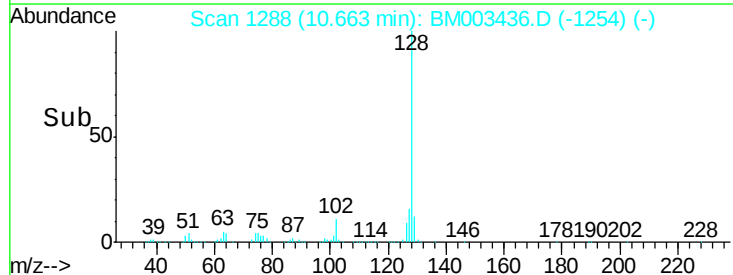
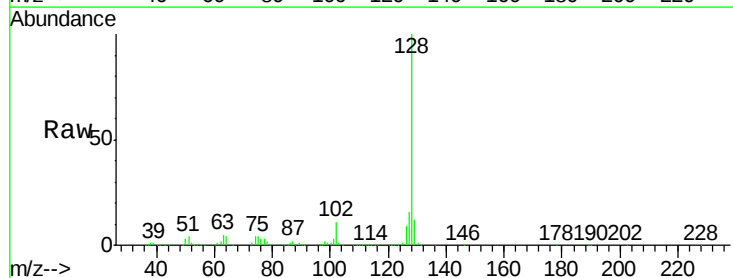
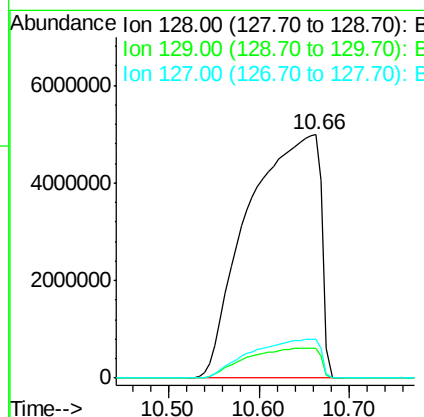
RT: 10.66 min Scan# 1288

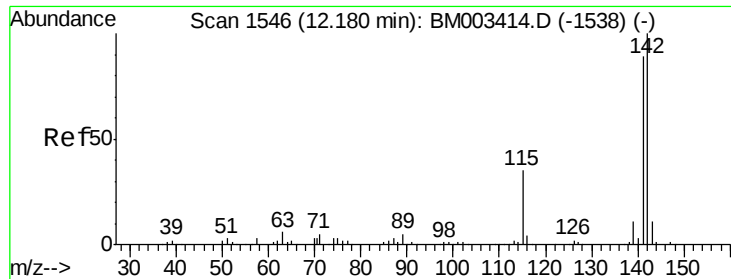
Delta R.T. 0.10 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

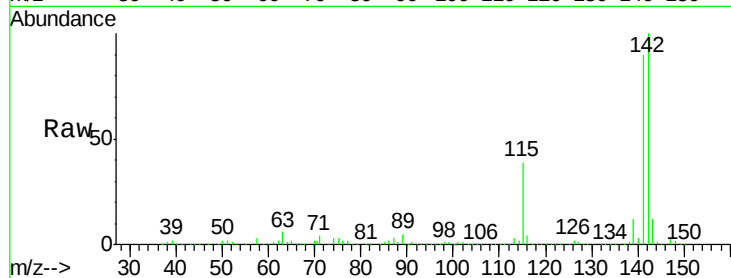
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.9	13.3
127	16.1	10.4	15.6#





#37
2-Methylnaphthalene
Concen: 570.23 ng
RT: 12.22 min Scan# 1552
Delta R.T. 0.04 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

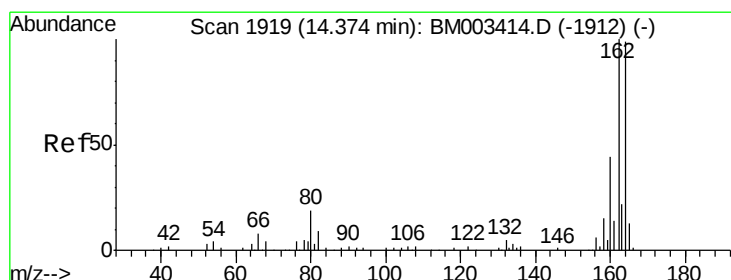
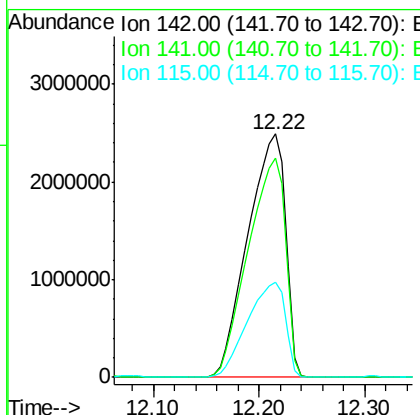
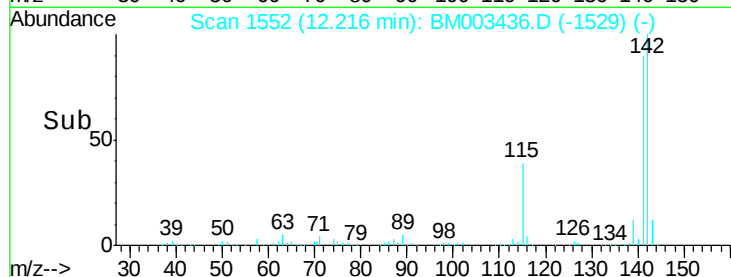
Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108



Tgt Ion:142 Resp: 6180890
Ion Ratio Lower Upper
142 100
141 90.0 71.9 107.9
115 39.1 25.4 38.0#

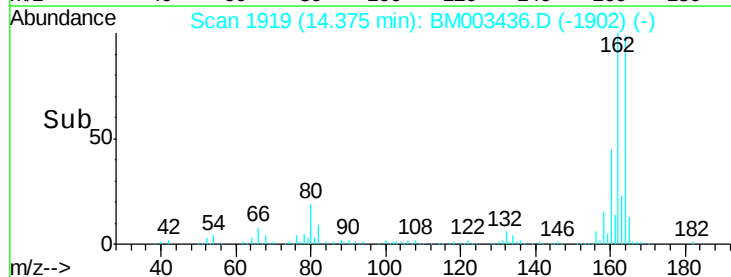
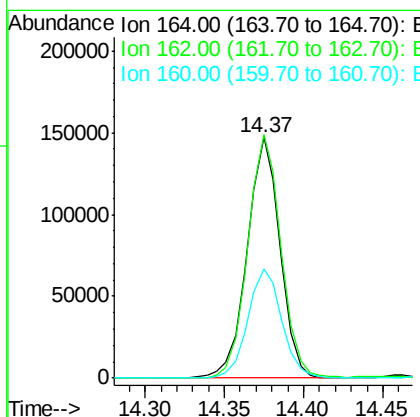
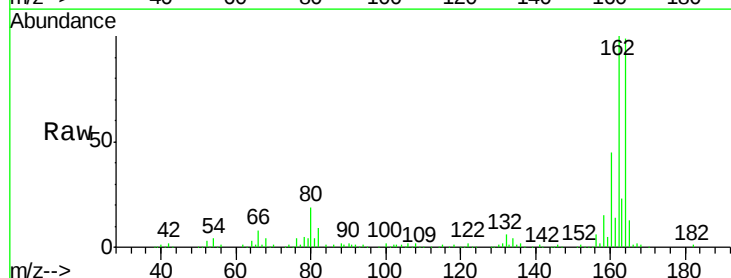
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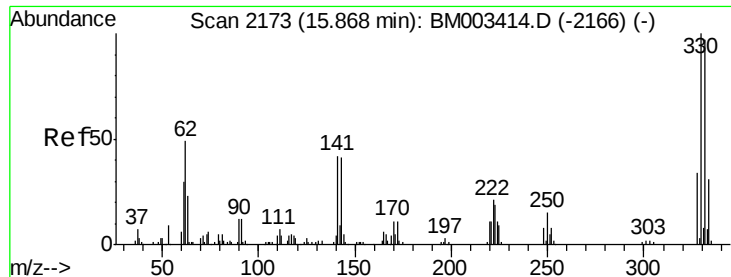
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Tgt Ion:164 Resp: 211392
Ion Ratio Lower Upper
164 100
162 101.3 82.4 123.6
160 45.6 35.8 53.6





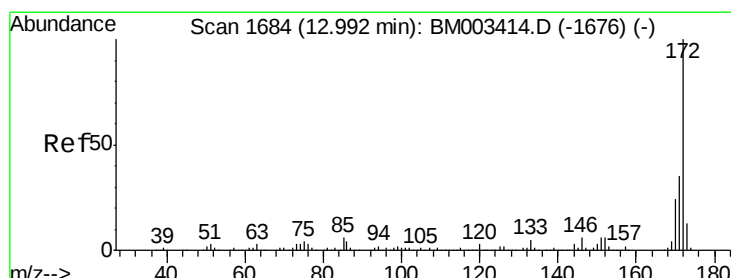
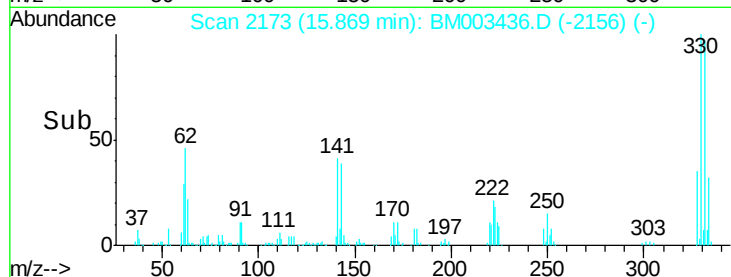
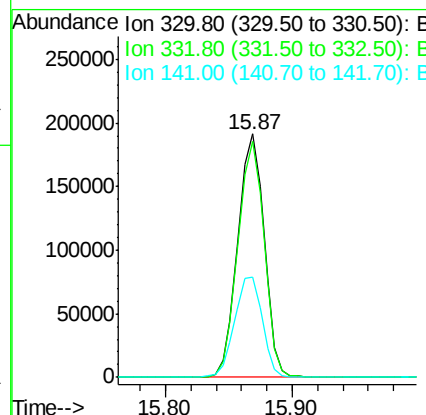
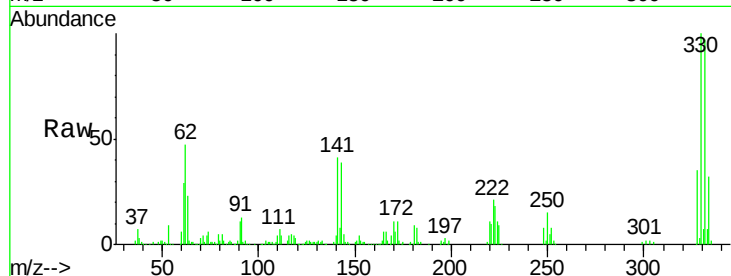
#41
 2,4,6-Tribromophenol
 Concen: 130.63 ng
 RT: 15.87 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	275773		
332	96.5	0.0	0.0	0.0
141	42.6	0.0	0.0	0.0

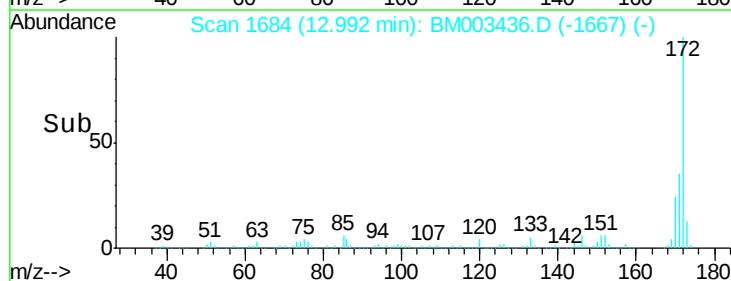
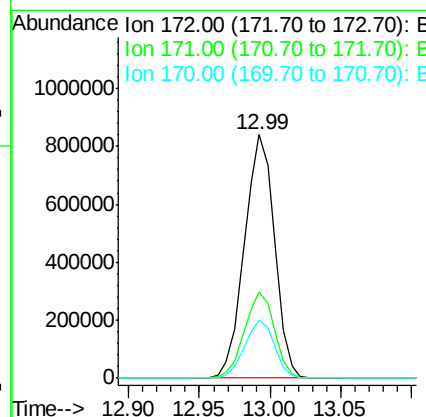
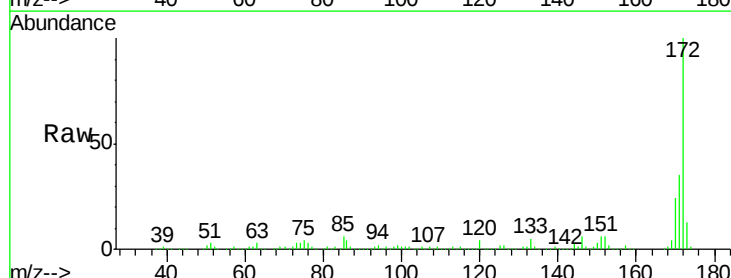
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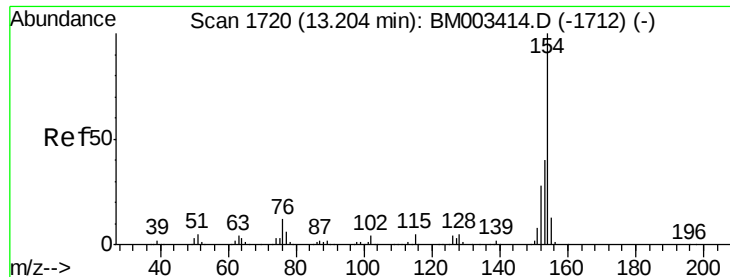
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#44
 2-Fluorobiphenyl
 Concen: 80.80 ng
 RT: 12.99 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1253744		
171	35.2	28.5	42.7	
170	23.7	18.8	28.2	





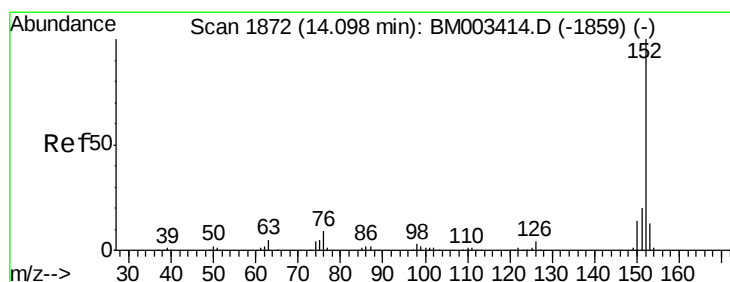
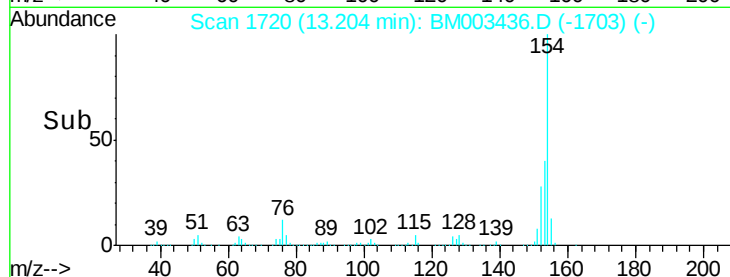
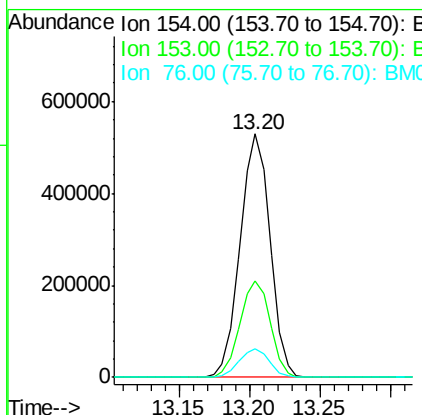
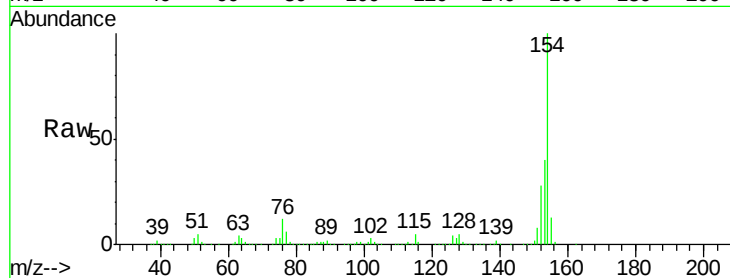
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 1,1'-Biphenyl
 Concen: 41.87 ng
 RT: 13.20 min Scan# 1720
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	11.9	0.0	30.9

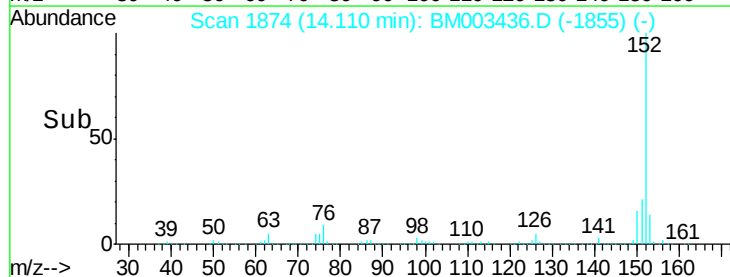
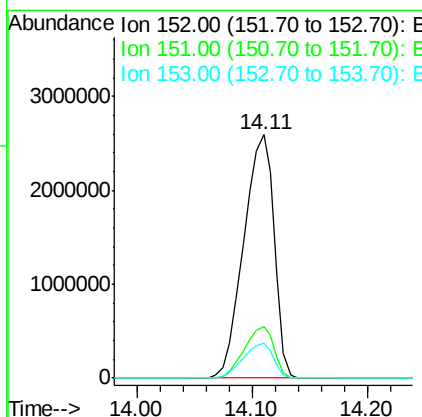
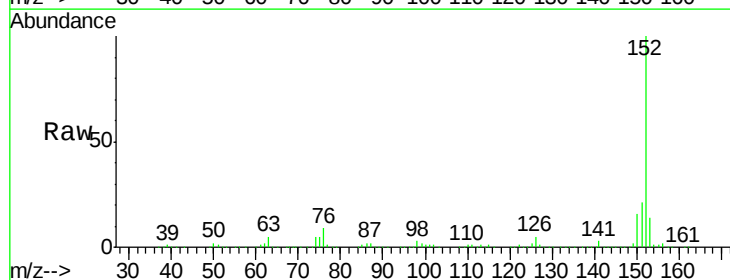
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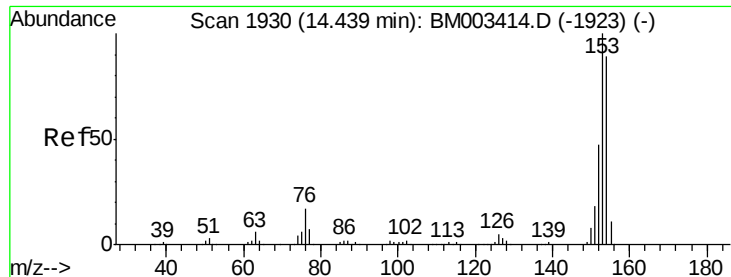
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#48
 Acenaphthylene
 Concen: 206.66 ng
 RT: 14.11 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.9	23.9
153	14.1	10.6	16.0





#51

Acenaphthene

Concen: 24.14 ng

RT: 14.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BM003436.D

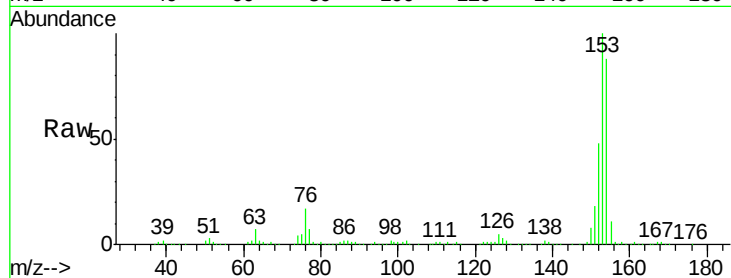
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Instrument :

BNA_M

ClientSampleId :

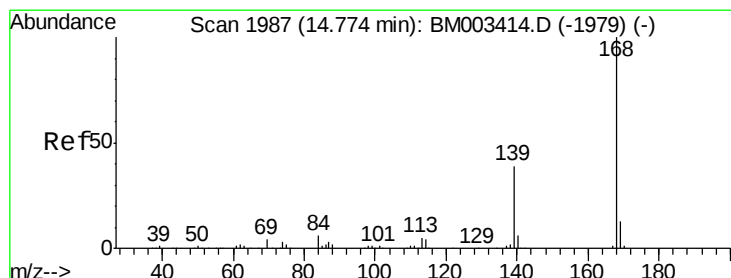
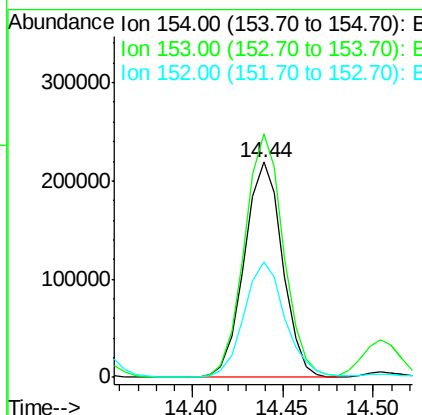
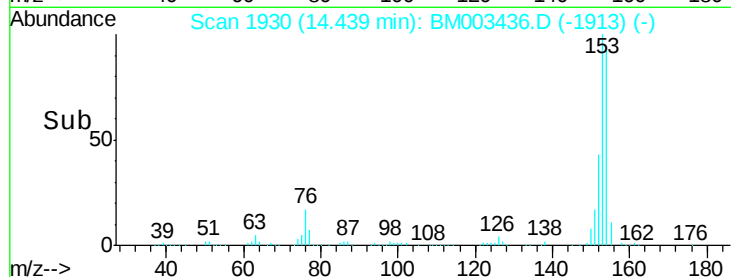
20151203-MGP218-BRV108



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.0	90.0	135.0	
152	53.8	42.6	63.8	

Manual Integrations
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#54

Dibenzofuran

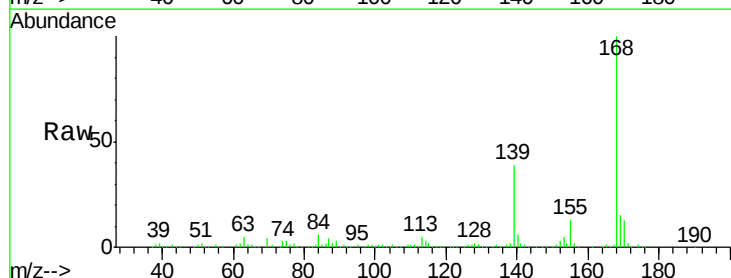
Concen: 16.63 ng

RT: 14.77 min Scan# 1987

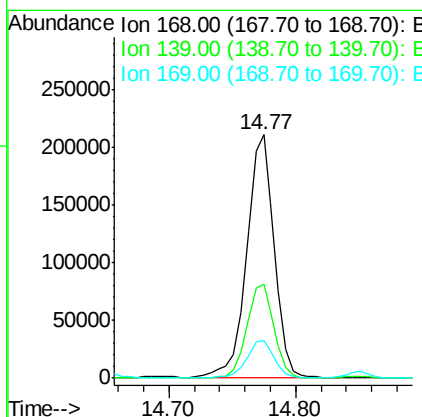
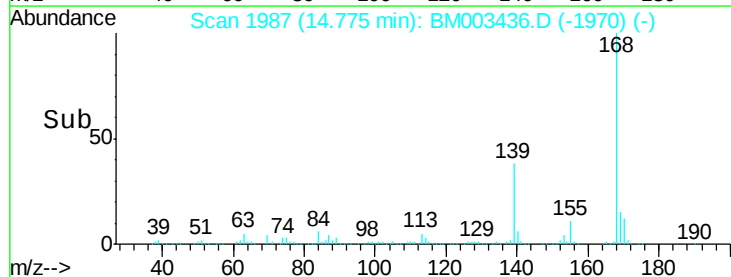
Delta R.T. 0.00 min

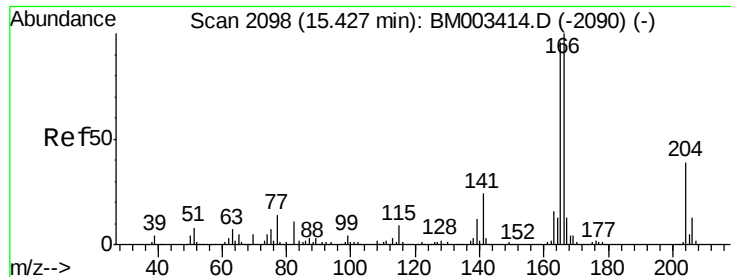
Lab File: BM003436.D

Acq: 10 Dec 2015 05:18



Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.5	27.3	40.9	
169	15.3	10.6	16.0	





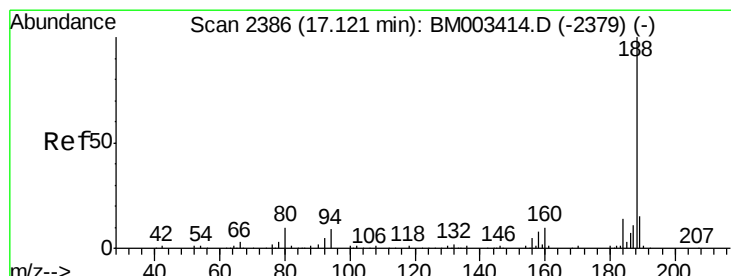
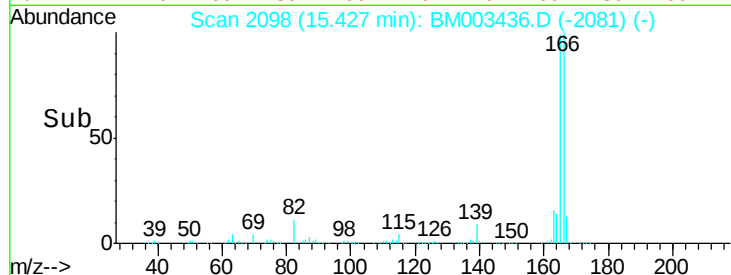
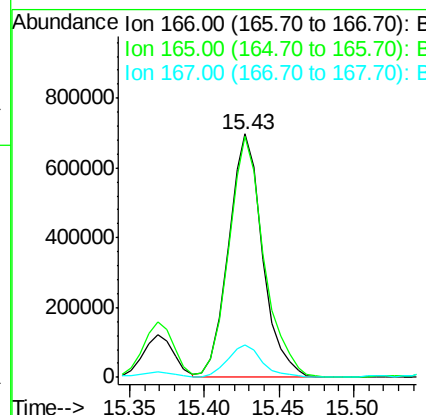
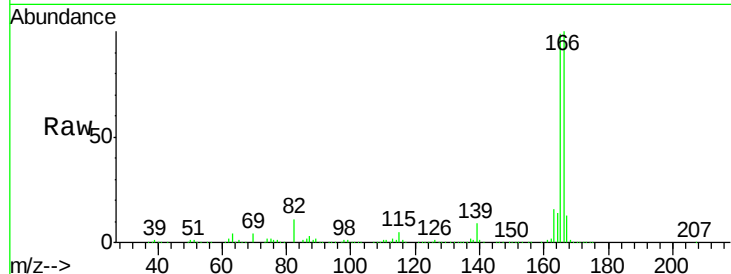
#57
Fluorene
 Concen: 69.60 ng
 RT: 15.43 min Scan# 2098
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Tgt Ion:166 Resp: 1108584
 Ion Ratio Lower Upper
 166 100
 165 98.8 79.0 118.4
 167 13.3 10.3 15.5

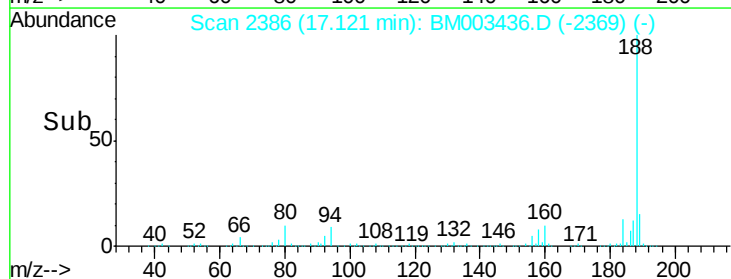
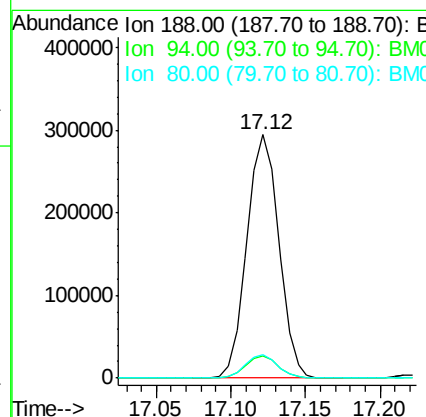
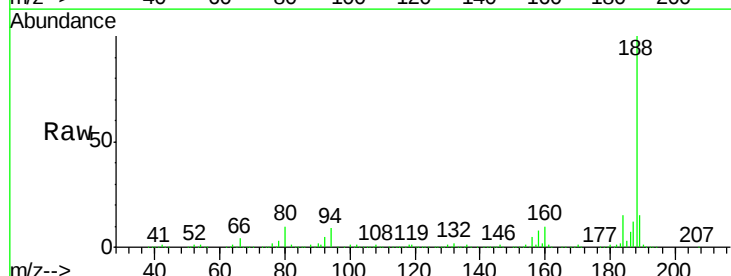
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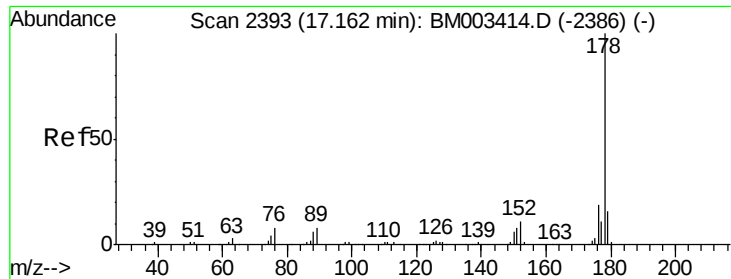
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.12 min Scan# 2386
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion:188 Resp: 435970
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.7 13.1
 80 9.7 9.3 13.9





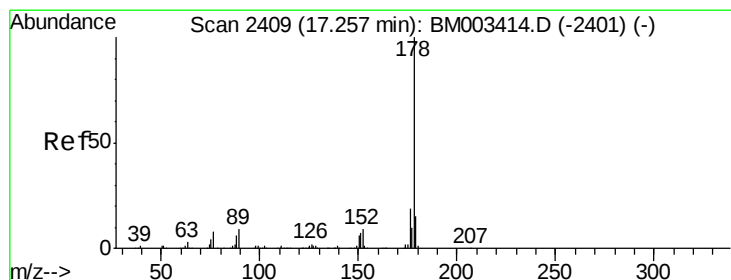
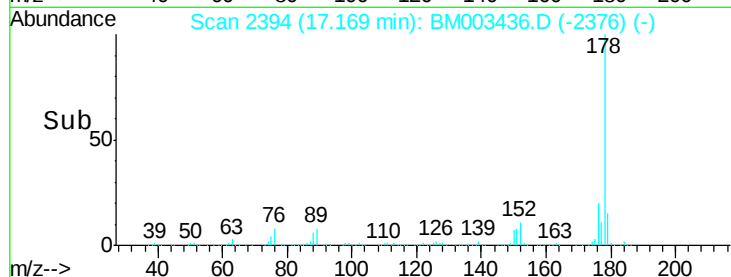
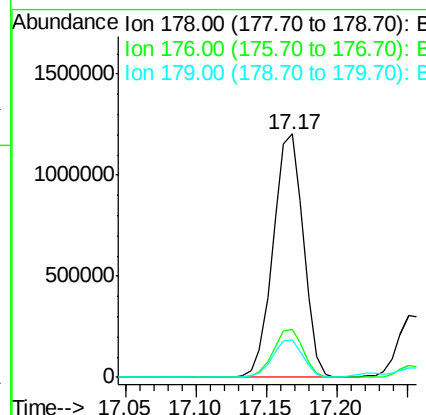
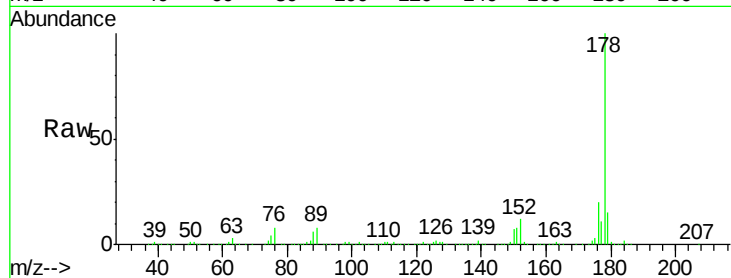
#70
Phenanthrene
Concen: 73.80 ng
RT: 17.17 min Scan# 2394
Delta R.T. 0.01 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Instrument :
BNA_M
ClientSampleId :
20151203-MGP218-BRV108

Tgt Ion:178 Resp: 1805582
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 15.3 12.1 18.1

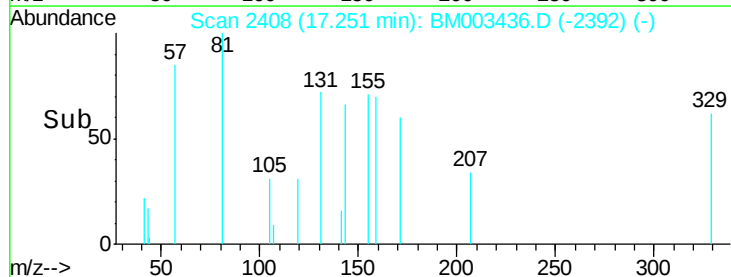
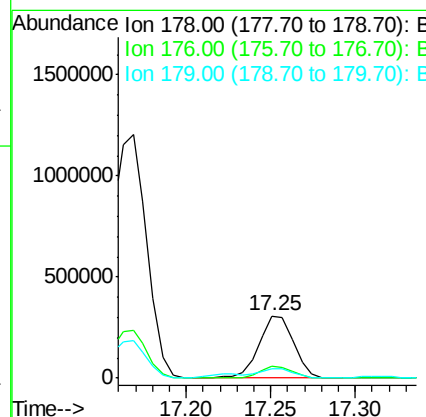
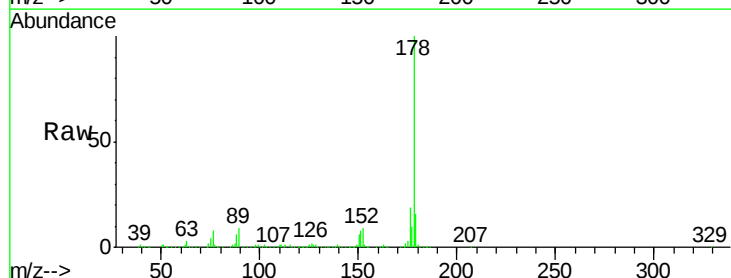
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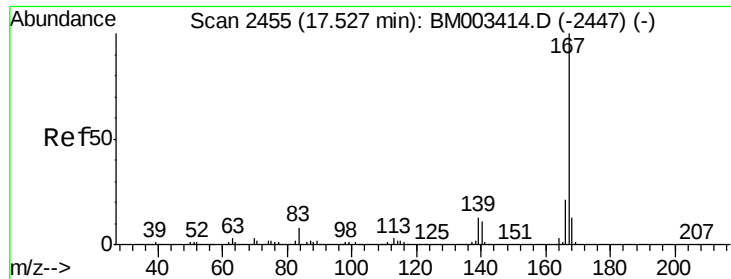
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#71
Anthracene
Concen: 18.12 ng
RT: 17.25 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BM003436.D
Acq: 10 Dec 2015 05:18

Tgt Ion:178 Resp: 440464
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.9 12.6 19.0





#72

Carbazole

Concen: 20.77 ng

RT: 17.53 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BM003436.D

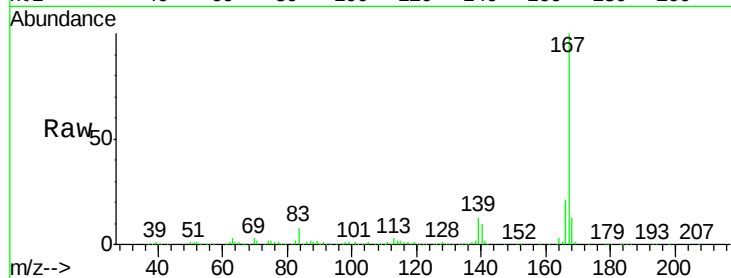
Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

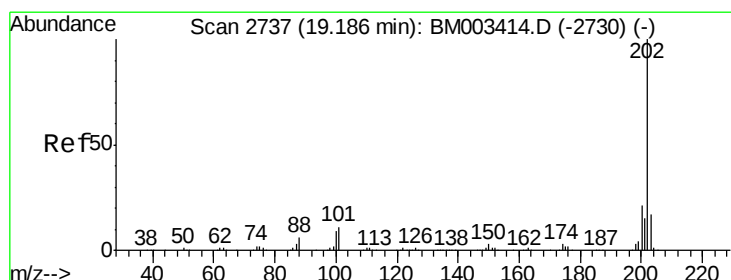
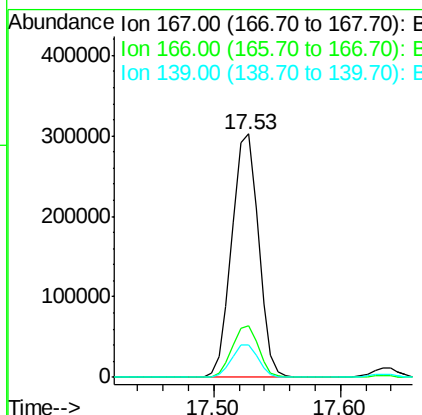
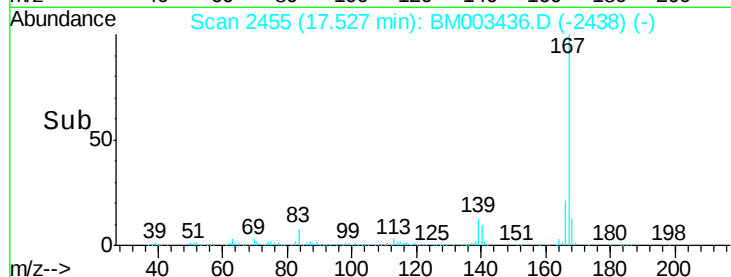
20151203-MGP218-BRV108



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	13.5	10.8	16.2

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#74

Fluoranthene

Concen: 8.88 ng

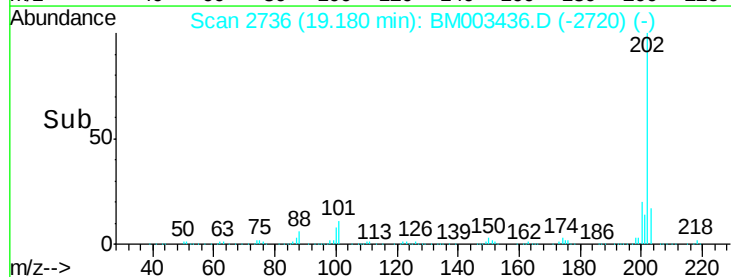
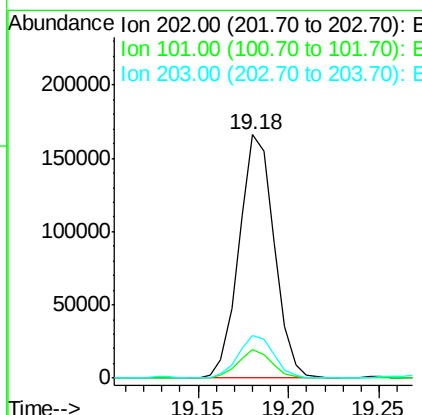
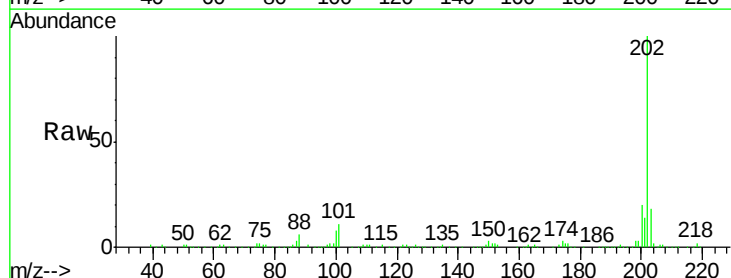
RT: 19.18 min Scan# 2736

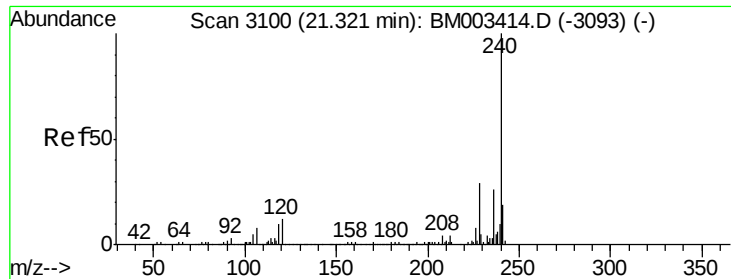
Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	28.7
203	17.5	0.0	37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM003436.D

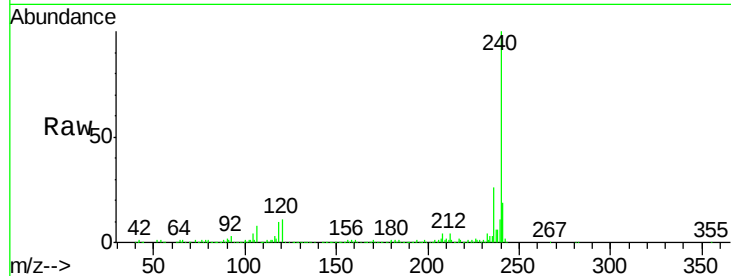
Acq: 10 Dec 2015 05:18

Instrument :

BNA_M

ClientSampleId :

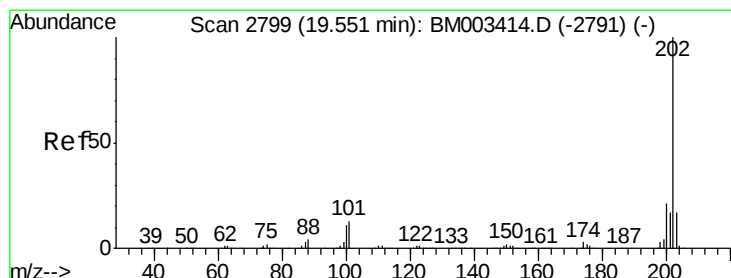
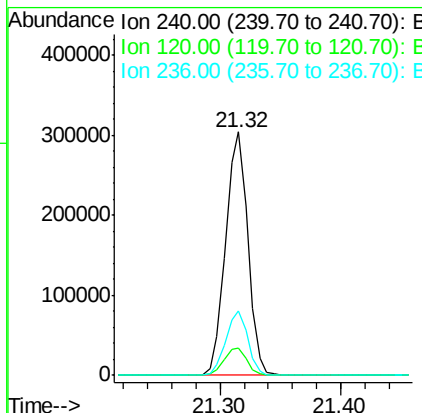
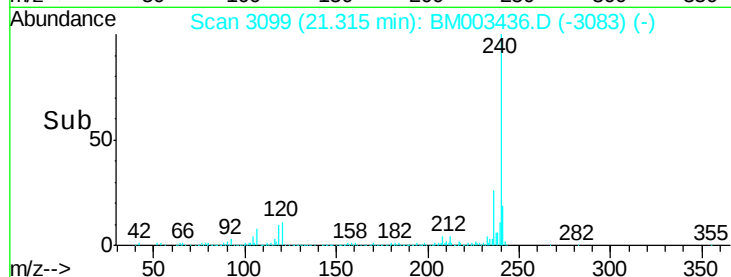
20151203-MGP218-BRV108



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.4	8.2	12.2	
236	26.4	20.0	30.0	

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#77

Pyrene

Concen: 9.98 ng

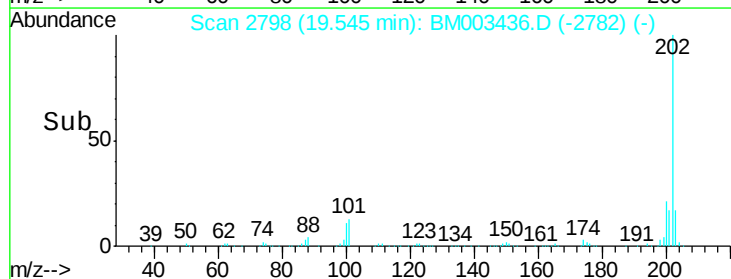
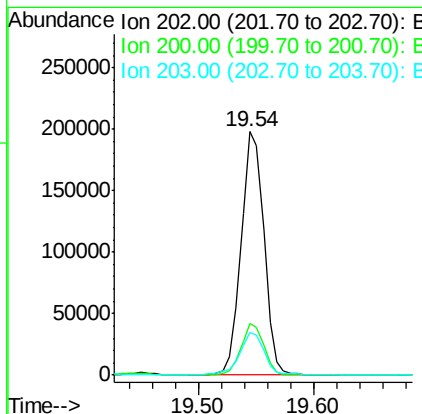
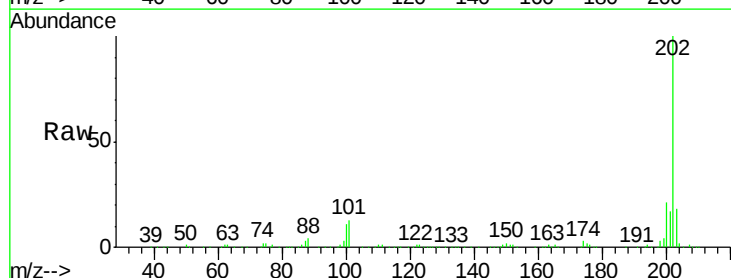
RT: 19.54 min Scan# 2798

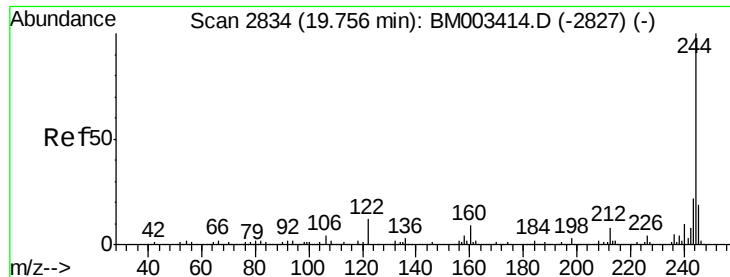
Delta R.T. -0.01 min

Lab File: BM003436.D

Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	16.9	25.3	
203	17.6	14.1	21.1	





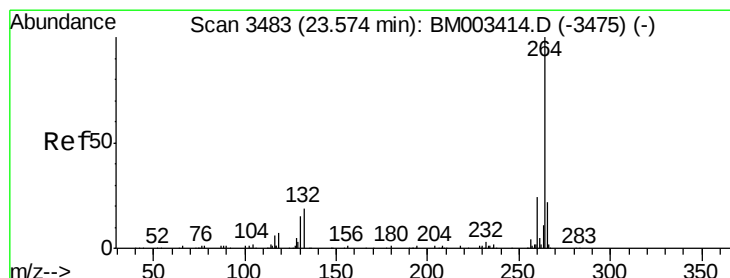
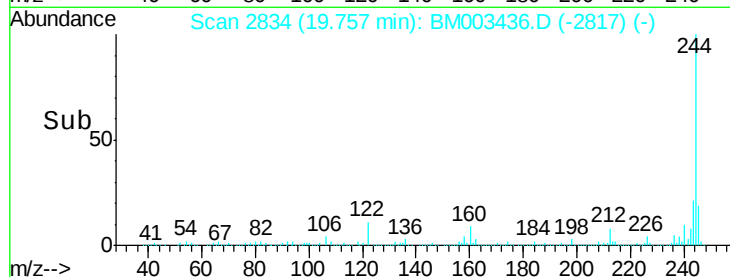
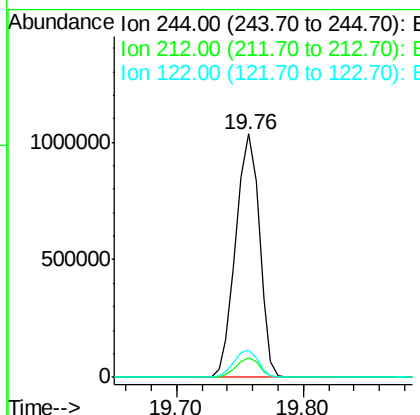
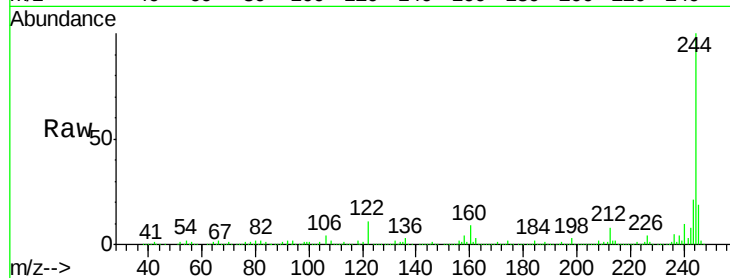
#78
 Terphenyl-d14
 Concen: 81.39 ng
 RT: 19.76 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Instrument :
 BNA_M
 ClientSampleId :
 20151203-MGP218-BRV108

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.9	7.3#
122	11.3	6.2	9.4#

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.57 min Scan# 3482
 Delta R.T. -0.01 min
 Lab File: BM003436.D
 Acq: 10 Dec 2015 05:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.6	17.3	25.9

