

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002927.D
 Acq On : 15 Oct 2015 22:58
 Operator : UM/IZ
 Sample : G4018-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-201

Manual Integrations
 APPROVED

MMdadoda
 10/16/2015 3:58:42 PM

Quant Time: Oct 16 11:00:15 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 06:59:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	101041	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	428405	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	230820	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	456202	5.00	ng	0.00
26) Chrysene-d12	22.04	240	424659	5.00	ng	0.00
35) Perylene-d12	24.61	264	322037	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	59713	3.16	ng	-0.03
5) Phenol-d6	7.79	99	49515	2.05	ng	-0.02
8) Nitrobenzene-d5	9.85	82	82230	4.01	ng	-0.01
14) 2,4,6-Tribromophenol	16.72	330	77717	8.59	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	283570	3.84	ng	0.00
29) Terphenyl-d14	20.48	244	267521	4.21	ng	0.00
Target Compounds						
10) Naphthalene	11.56	128	37017	0.39	ng	Qvalue 99
12) 2-Methylnaphthalene	13.13	142	4126	0.06	ng	# 93
16) Acenaphthylene	14.96	152	4087	0.04	ng	# 81
17) Acenaphthene	15.30	154	5290	0.08	ng	# 100
18) Fluorene	16.27	166	5674	0.07	ng	95
23) Phenanthrene	17.98	178	8473	0.08	ng	# 83
24) Anthracene	18.08	178	3739	0.04	ng	# 80
25) Fluoranthene	19.95	202	7198	0.06	ng	# 93
28) Pyrene	20.31	202	7630	0.06	ng	96
30) Benzo(a)anthracene	22.02	228	3684m	0.03	ng	
33) Bis(2-ethylhexyl)phthalate	21.85	149	10488	0.40	ng	# 84

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

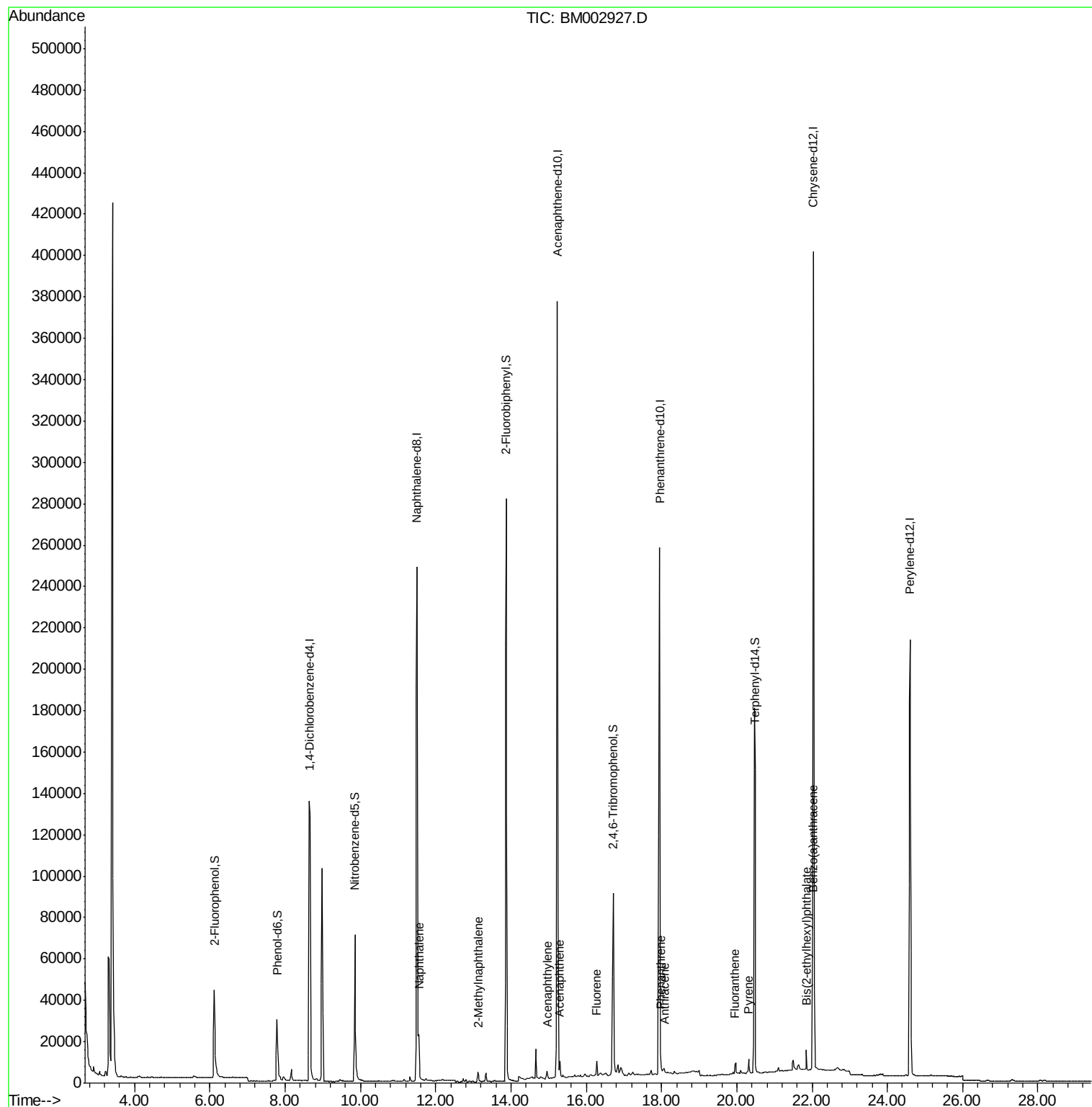
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002927.D
Acq On : 15 Oct 2015 22:58
Operator : UM/IZ
Sample : G4018-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

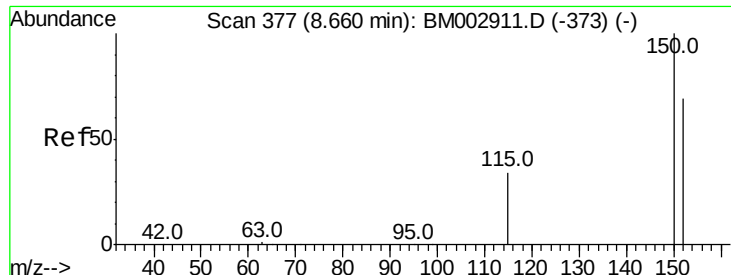
Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

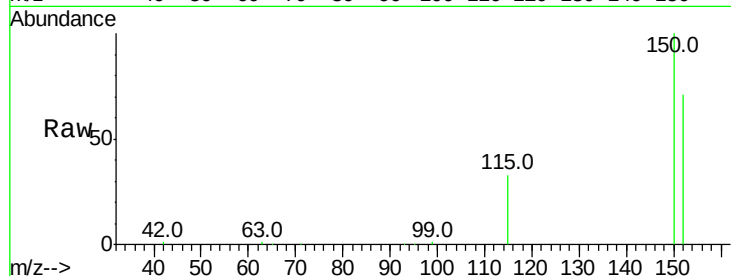
ClientSampleId :

RAV-GT-201

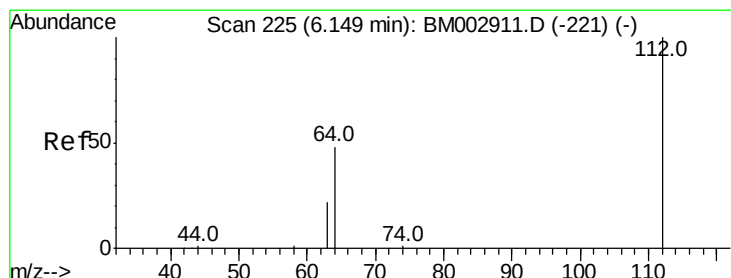
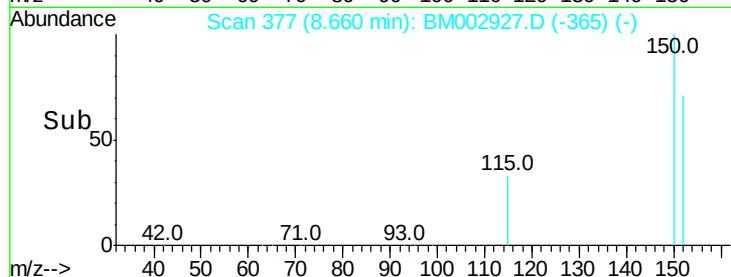
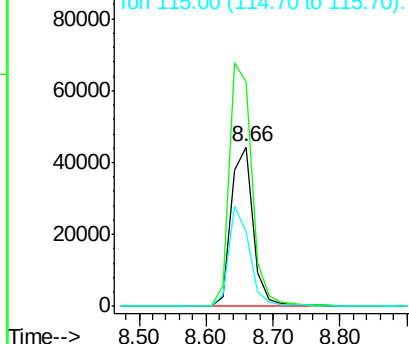
Tot Ion:	152	Resp:	101041
Ion Ratio	Lower	Upper	
152	100		
150	140.6	113.0	169.6
115	46.8	37.9	56.9

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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

2-Fluorophenol

Concen: 3.16 ng

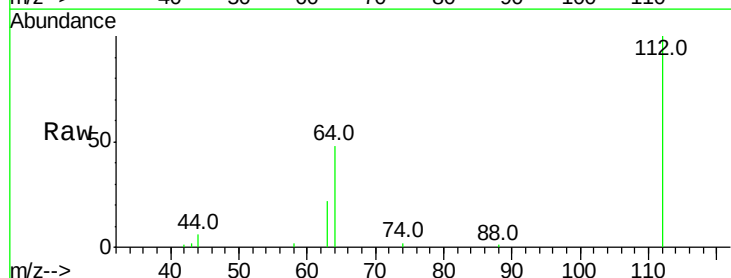
RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

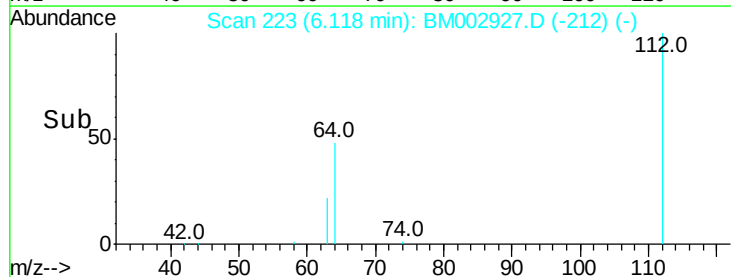
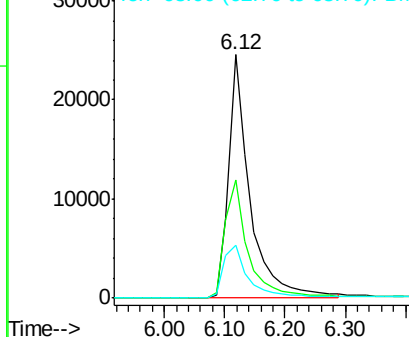
Lab File: BM002927.D

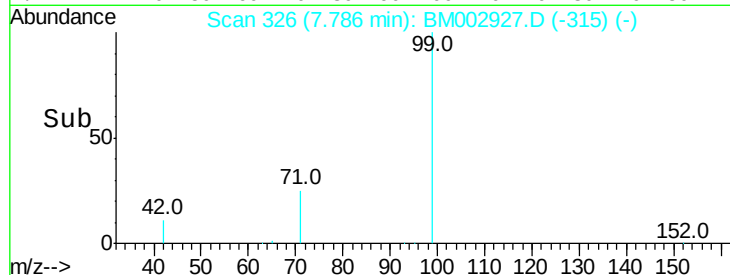
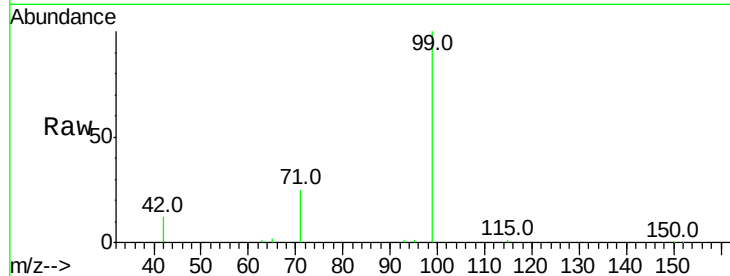
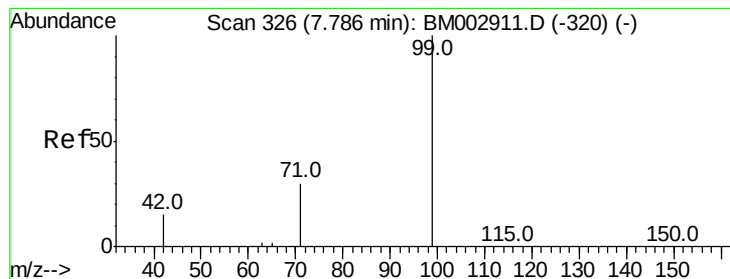
Acq: 15 Oct 2015 22:58

Tgt Ion:	112	Resp:	59713
Ion Ratio	Lower	Upper	
112	100		
64	51.6	42.0	63.0
63	24.5	20.0	30.0



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





#5

Phenol-d6

Concen: 2.05 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		49515		
42	15.6	12.4	18.6		
71	30.3	21.4	32.0		

Instrument :

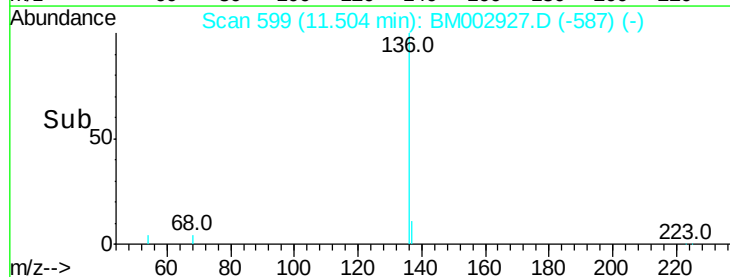
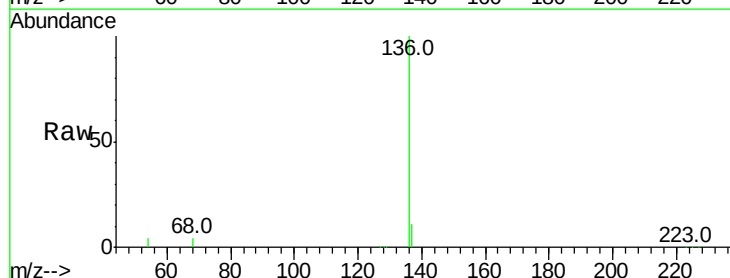
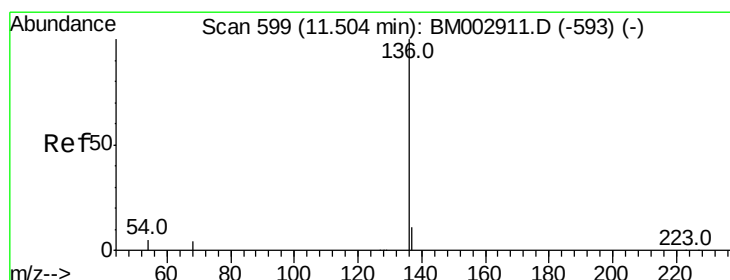
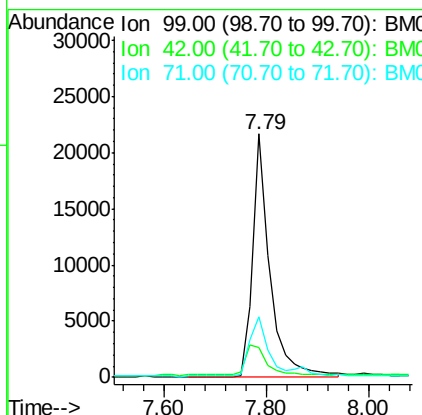
BNA_M

ClientSampleId :

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#7

Naphthalene-d8

Concen: 5.00 ng

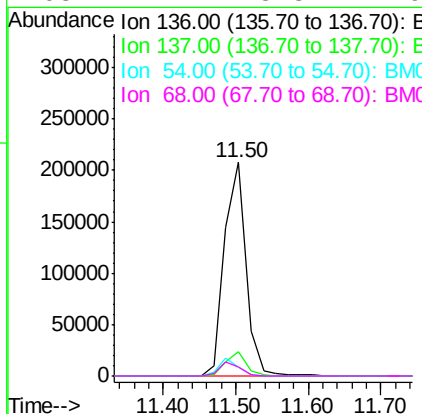
RT: 11.50 min Scan# 599

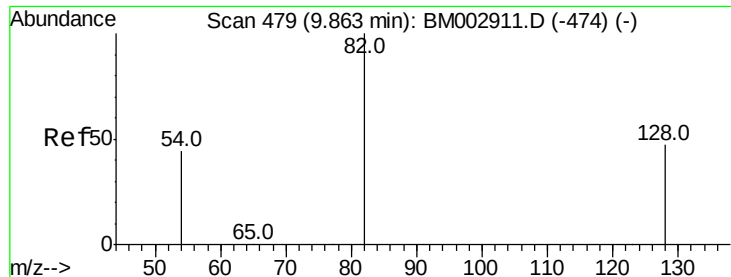
Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		428405		
137	11.3	9.1	13.7		
54	4.4	3.5	5.3		
68	4.1	3.3	4.9		





#8

Nitrobenzene-d5

Concen: 4.01 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.01 min

Lab File: BM002927.D

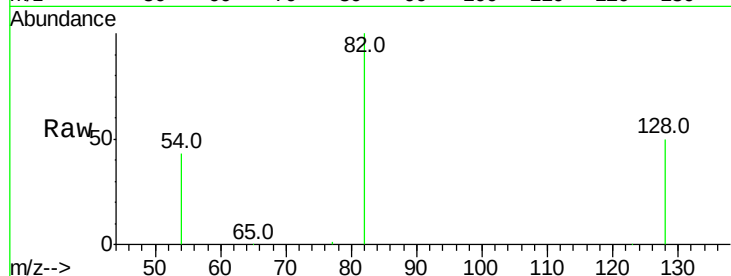
Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

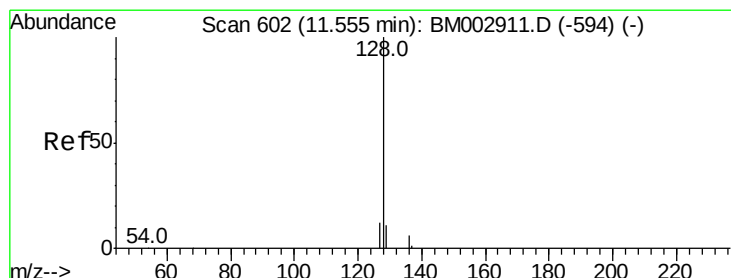
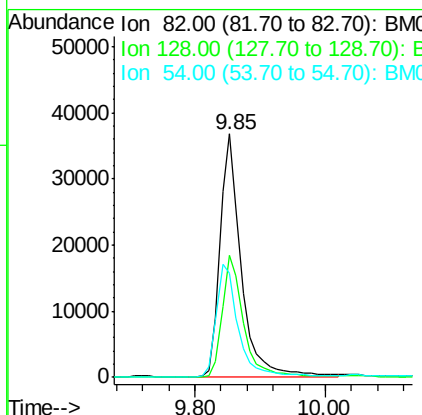
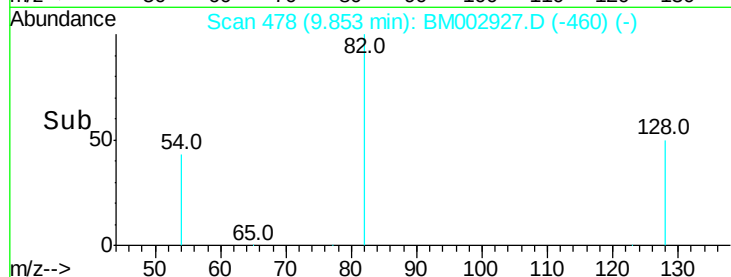
RAV-GT-201



Tot Ion:	82	Resp:	82230
Ion Ratio	Lower	Upper	
82	100		
128	50.1	34.1	51.1
54	43.0	42.6	63.8

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#10

Naphthalene

Concen: 0.39 ng

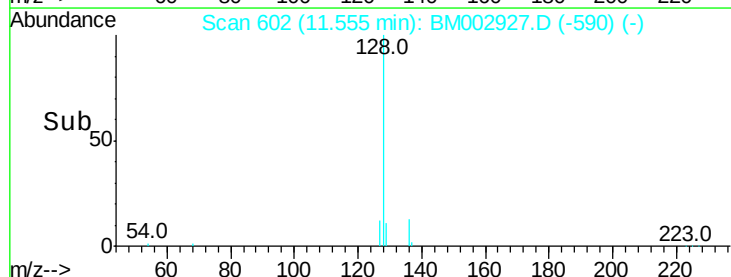
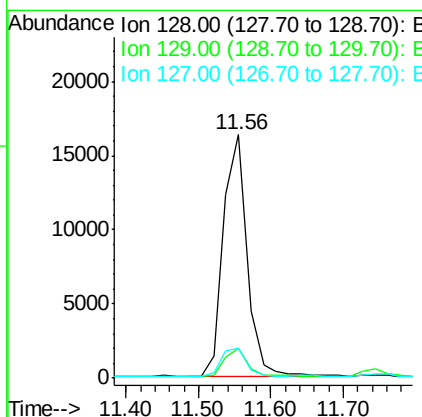
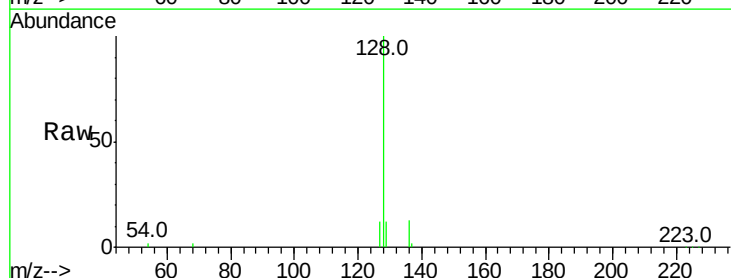
RT: 11.56 min Scan# 602

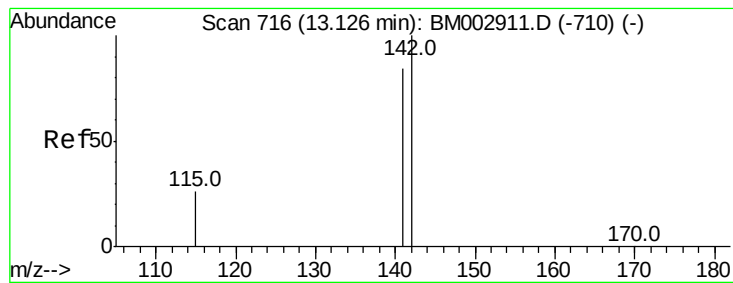
Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Tgt Ion:	128	Resp:	37017
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.4	14.2
127	12.4	9.6	14.4





#12

2-Methylnaphthalene

Concen: 0.06 ng

RT: 13.13 min Scan# 716

Delta R.T. 0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

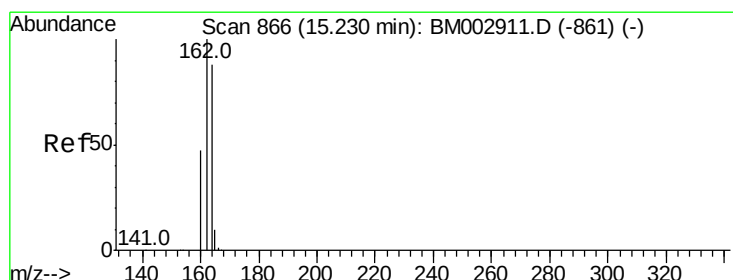
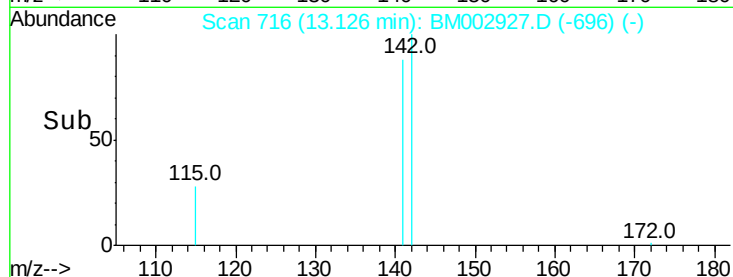
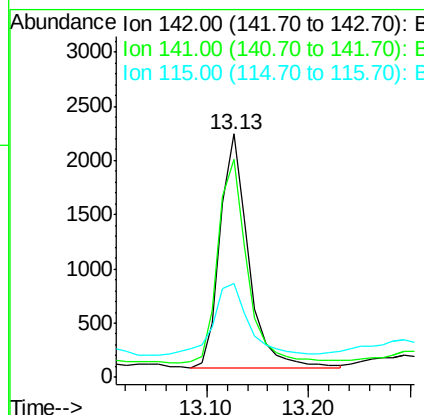
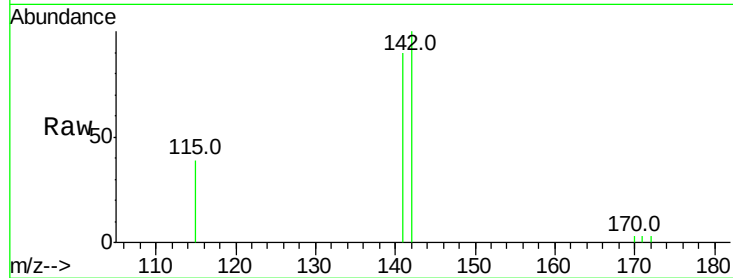
ClientSampleId :

RAV-GT-201

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	69.4	104.0
115	38.6	22.7	34.1

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#13

Acenaphthene-d10

Concen: 5.00 ng

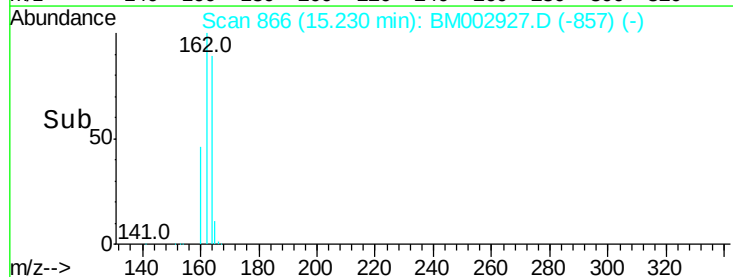
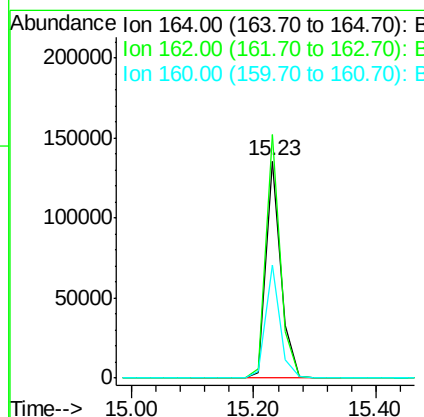
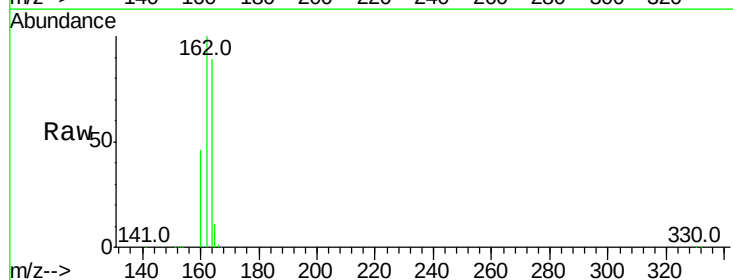
RT: 15.23 min Scan# 866

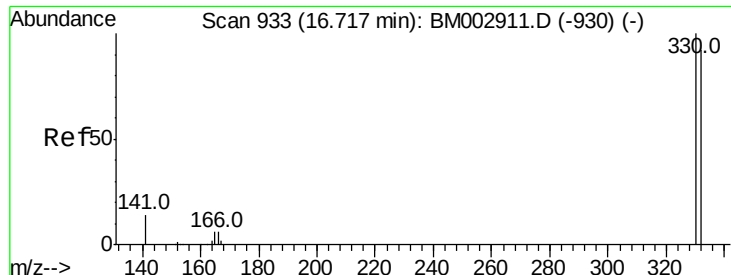
Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	112.1	79.6	119.4
160	52.1	33.1	49.7





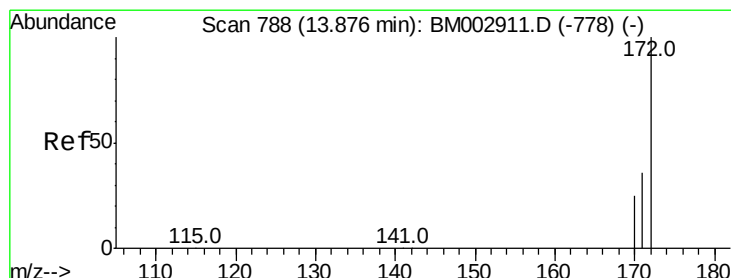
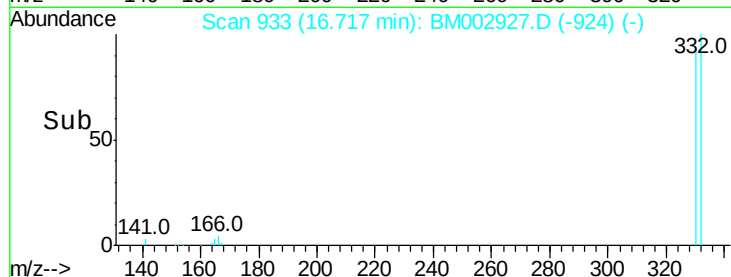
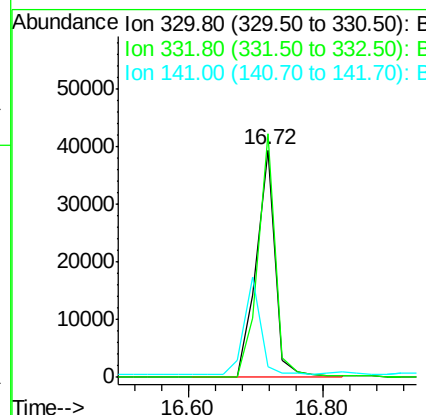
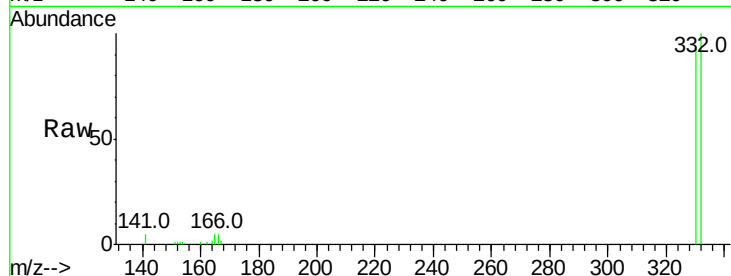
#14
 2,4,6-Tribromophenol
 Concen: 8.59 ng
 RT: 16.72 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-201

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	0.0	0.0	0.0

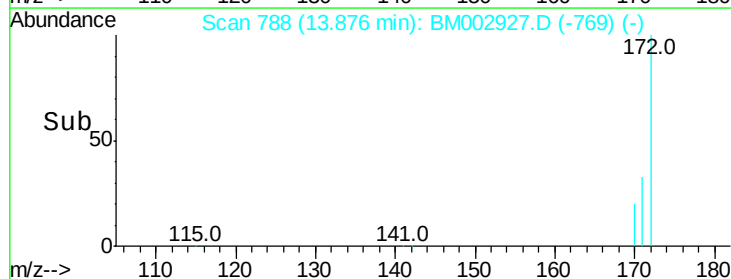
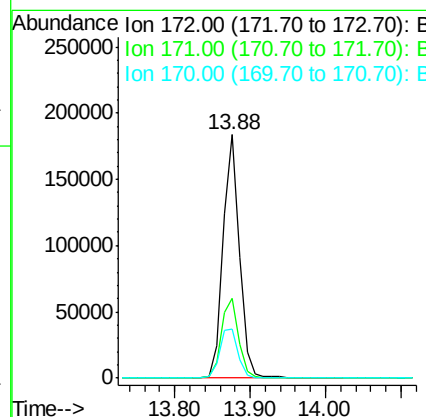
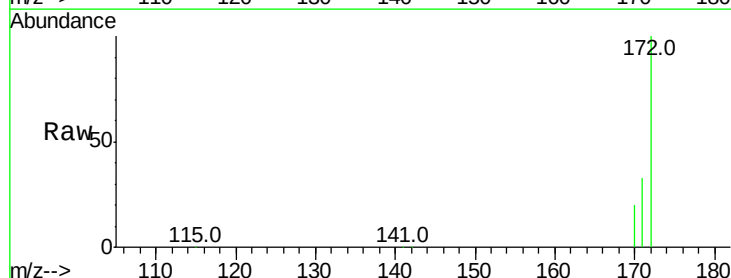
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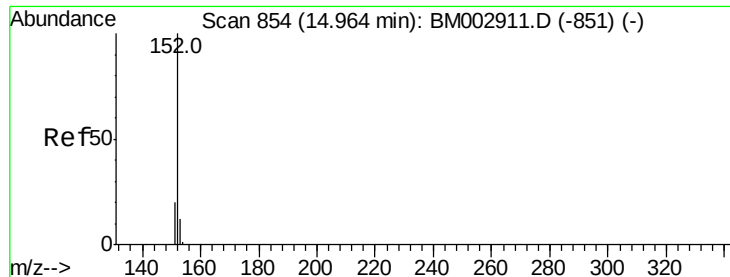
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#15
 2-Fluorobiphenyl
 Concen: 3.84 ng
 RT: 13.88 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BM002927.D
 Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.1	39.1
170	20.1	15.7	23.5





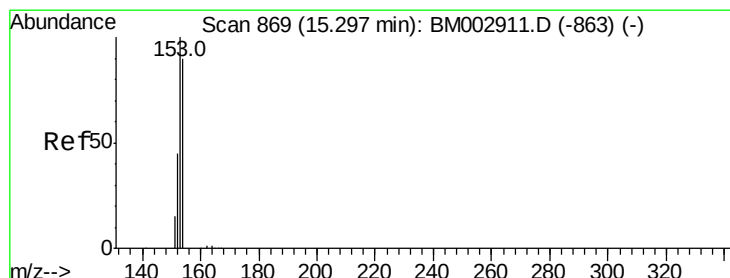
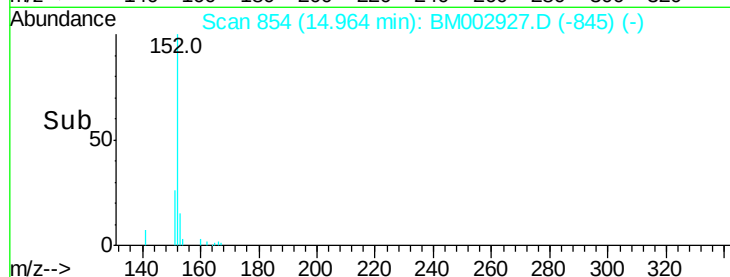
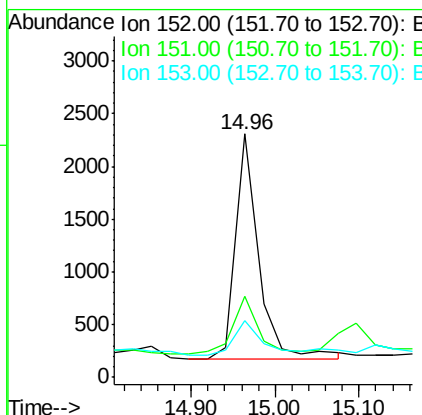
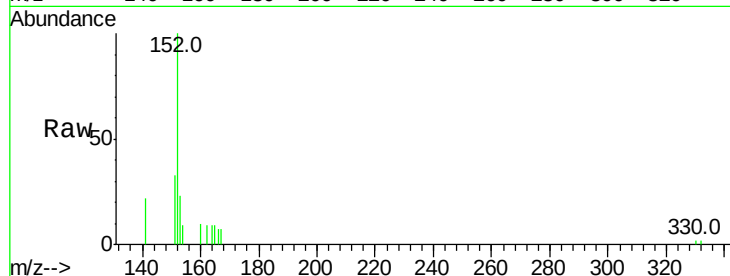
#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.96 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tot Ion	Ratio	Lower	Upper
152	100		
151	28.5	15.3	22.9#
153	19.3	10.5	15.7#

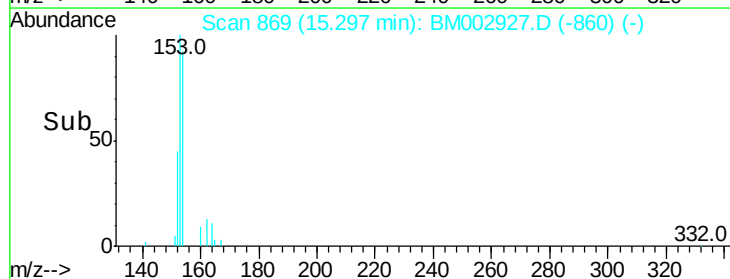
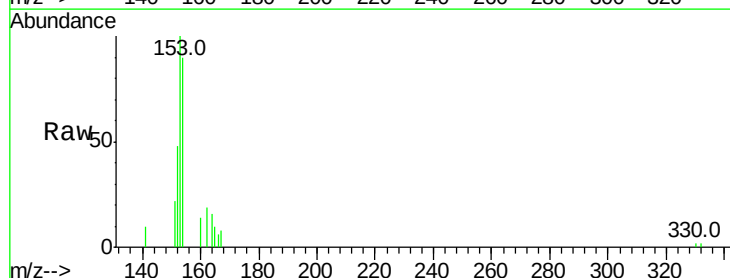
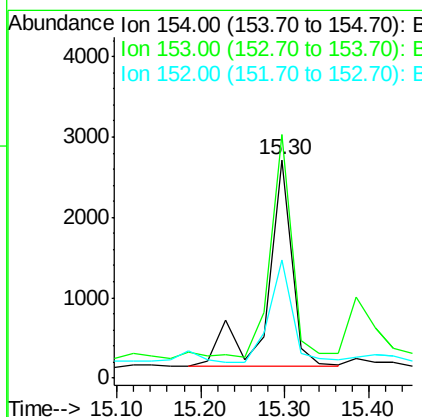
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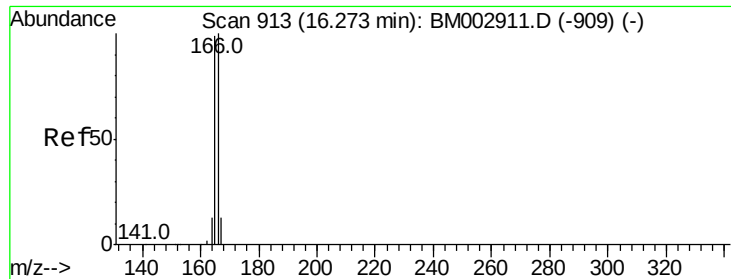
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#17
Acenaphthene
Concen: 0.08 ng
RT: 15.30 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	88.6	0.0	0.0#
152	45.6	0.0	0.0#





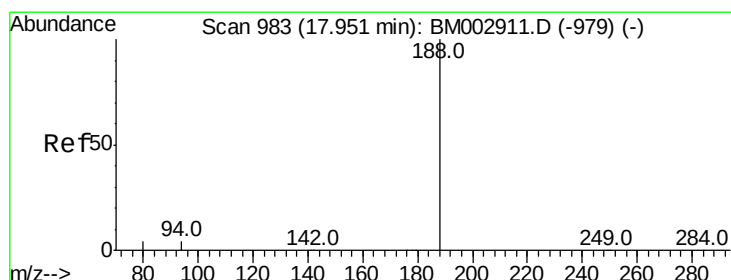
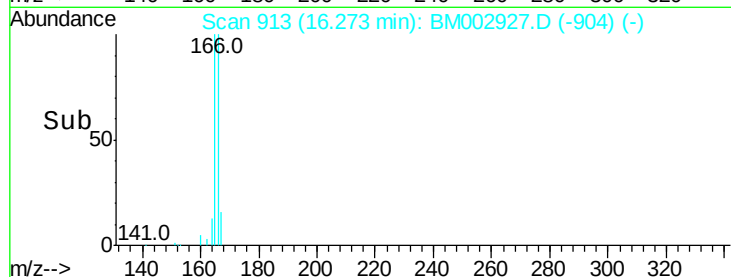
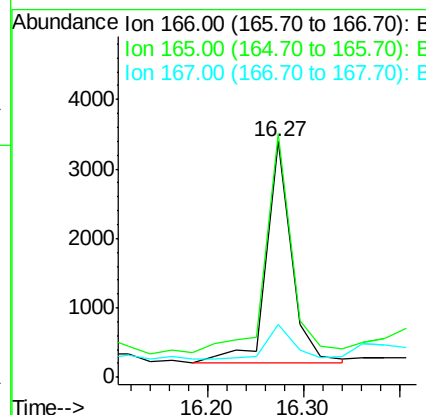
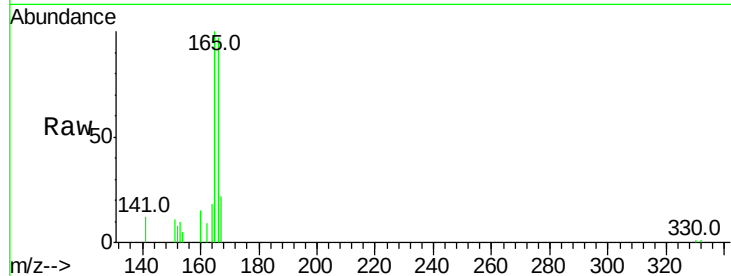
#18
Fluorene
Concen: 0.07 ng
RT: 16.27 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.3	115.9
167	16.3	10.9	16.3

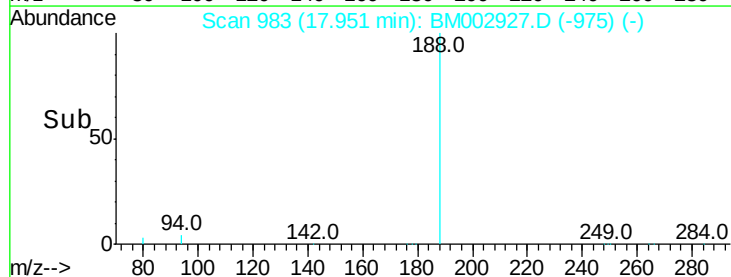
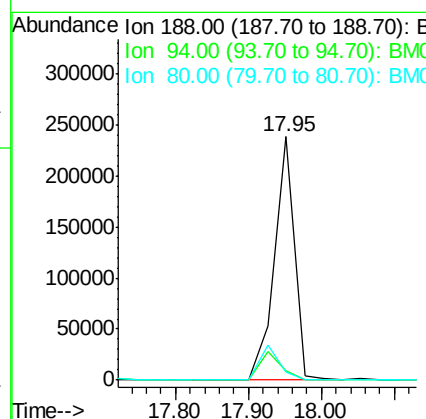
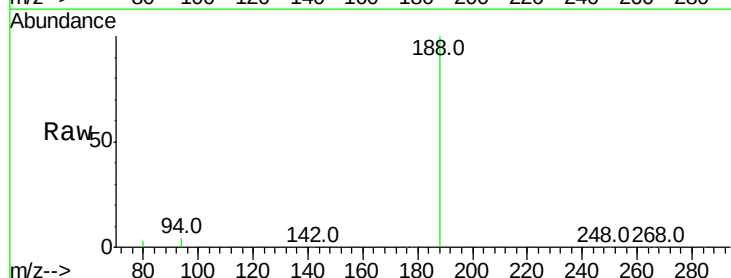
Manual Integrations
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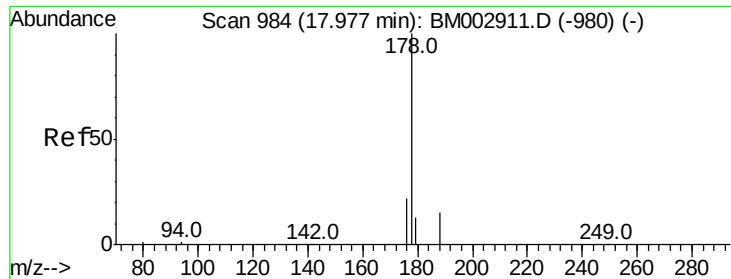
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#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.9	15.2	22.8#
80	3.2	15.9	23.9#





#23

Phenanthrene

Concen: 0.08 ng

RT: 17.98 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

ClientSampleId :

RAV-GT-201

Tot Ion:178 Resp: 8473

Ion Ratio Lower Upper

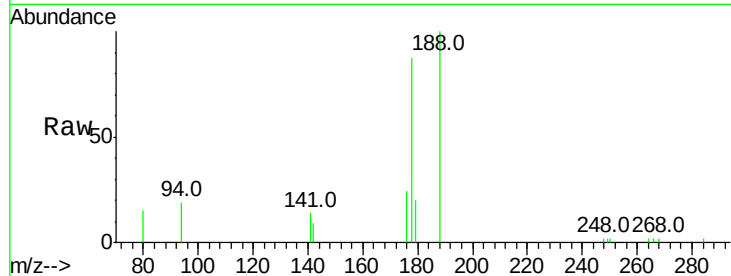
178 100

176 25.3 14.6 21.8#

179 23.2 12.5 18.7#

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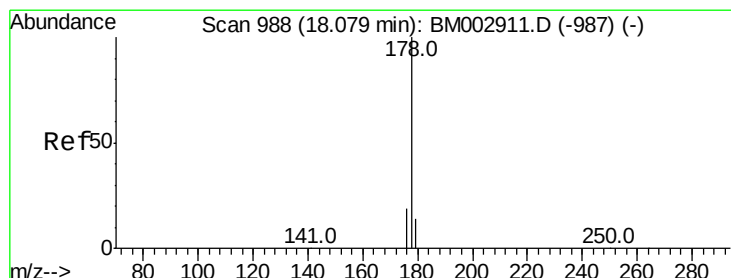
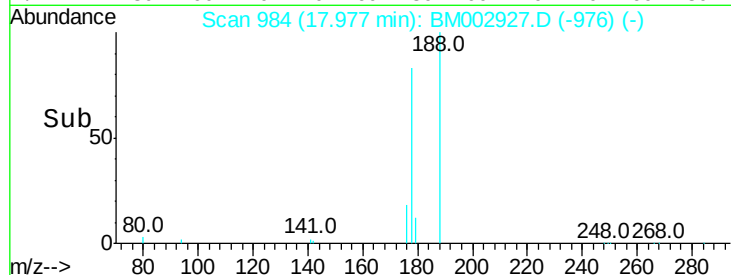
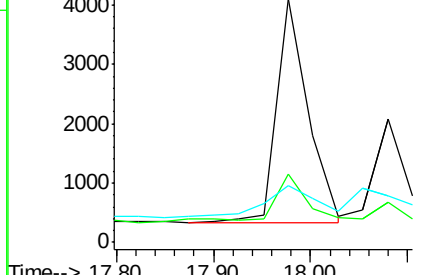
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.04 ng

RT: 18.08 min Scan# 988

Delta R.T. -0.00 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

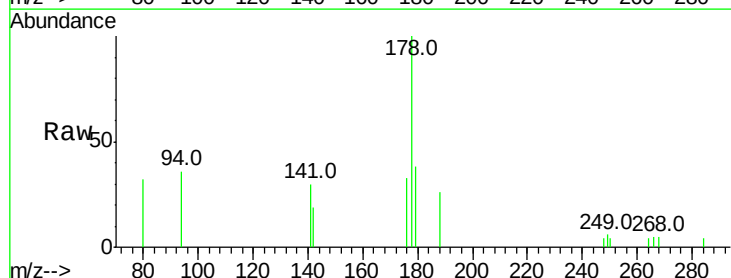
Tgt Ion:178 Resp: 3739

Ion Ratio Lower Upper

178 100

176 15.6 13.9 20.9

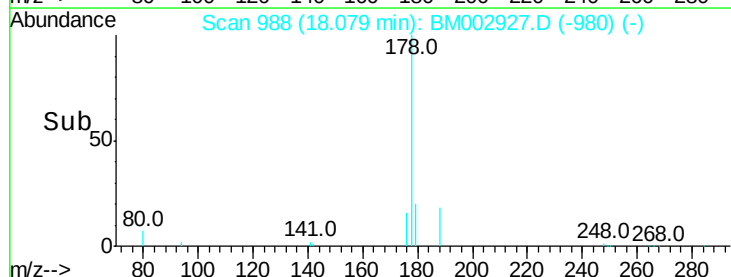
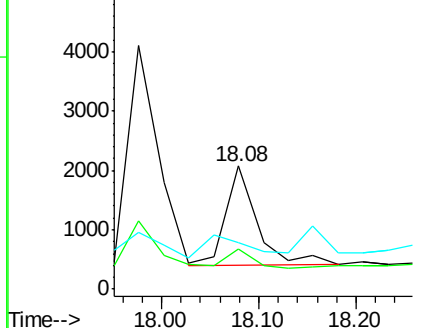
179 0.0 12.6 18.8#

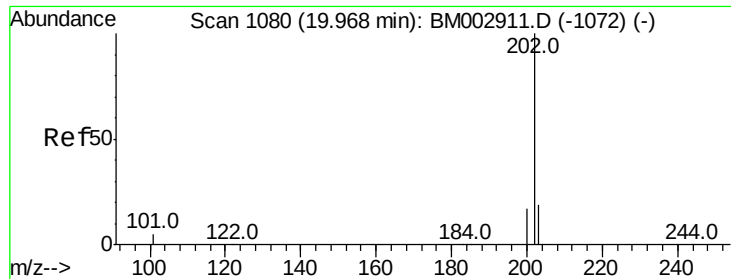


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





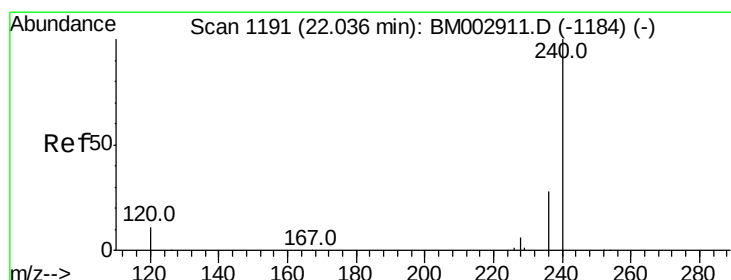
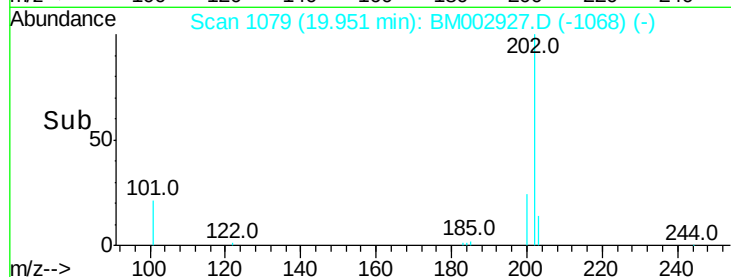
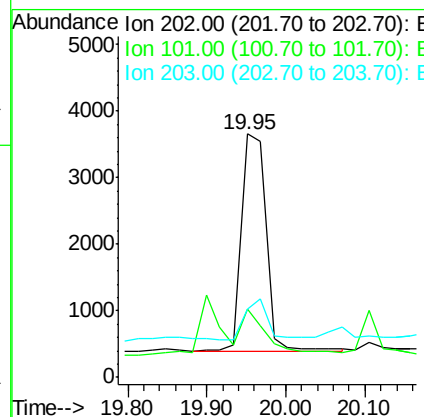
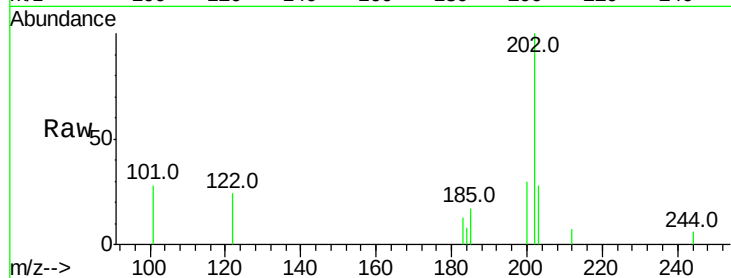
#25
Fluoranthene
Concen: 0.06 ng
RT: 19.95 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tot Ion	Ratio	Lower	Upper
202	100		
101	19.8	11.0	16.6#
203	17.6	13.8	20.6

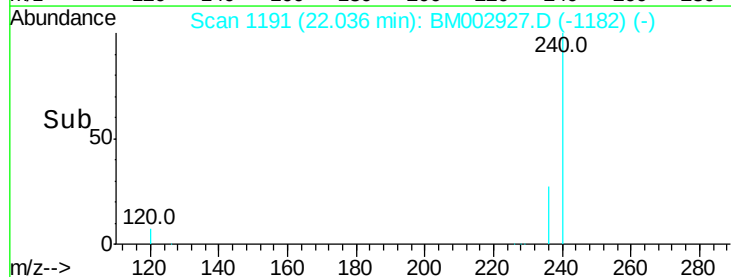
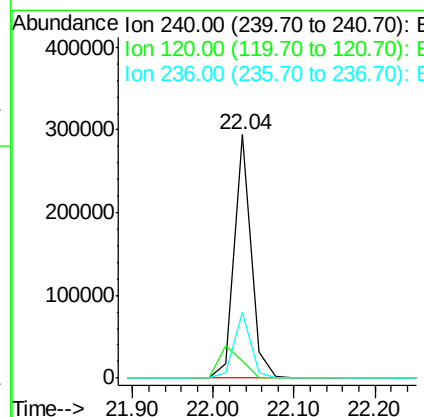
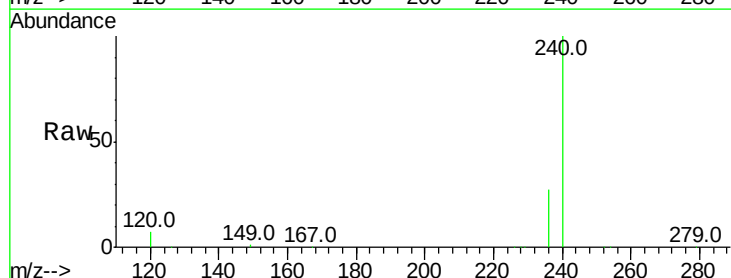
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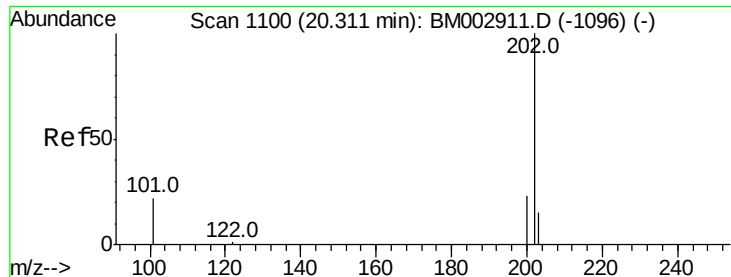
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#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.1	3.3	4.9#
236	27.1	19.5	29.3





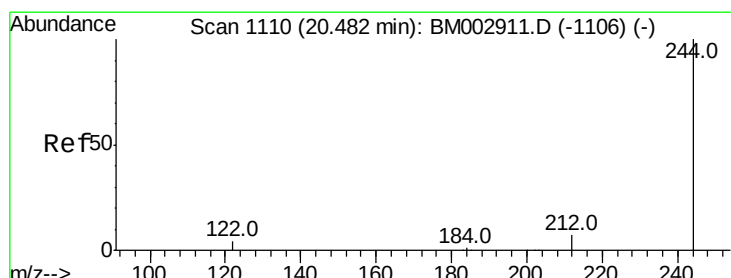
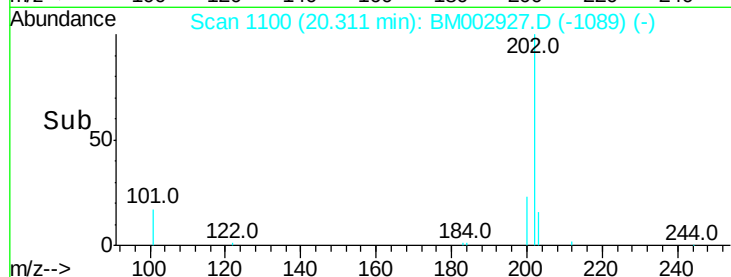
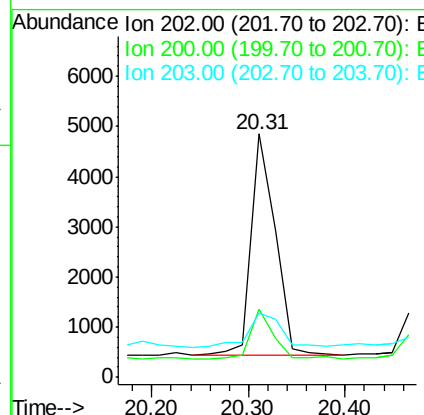
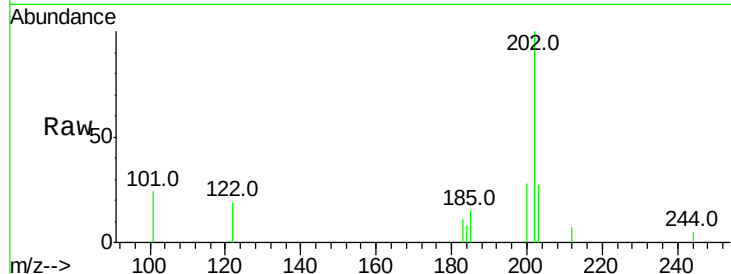
#28
Pvrene
Concen: 0.06 ng
RT: 20.31 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.4
203	20.5	13.8	20.8

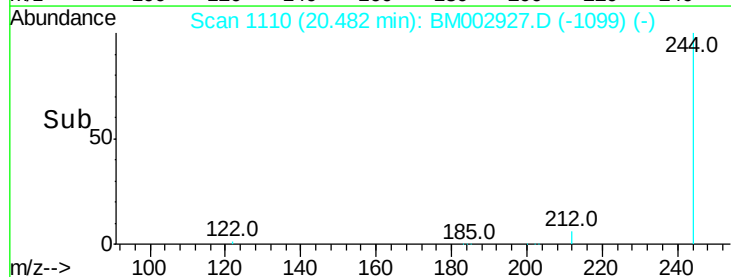
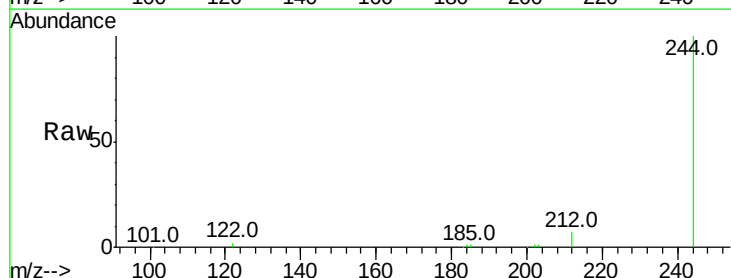
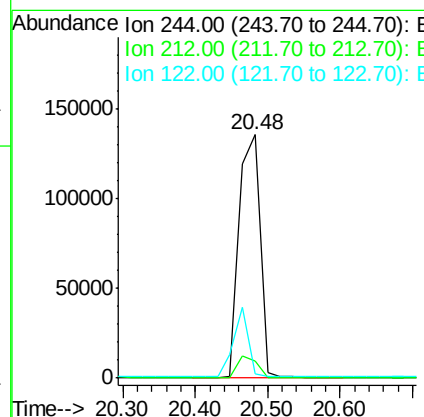
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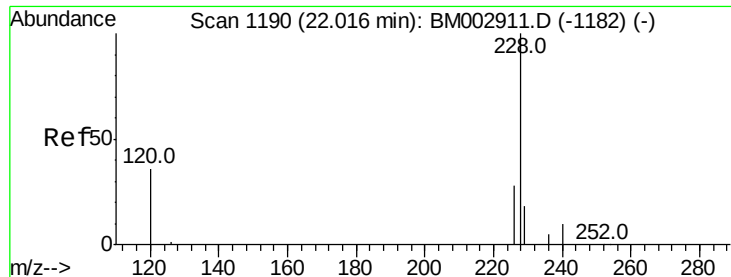
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#29
Terphenyl-d14
Concen: 4.21 ng
RT: 20.48 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	1.7	2.2	3.2#





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 22.02 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Instrument :

BNA_M

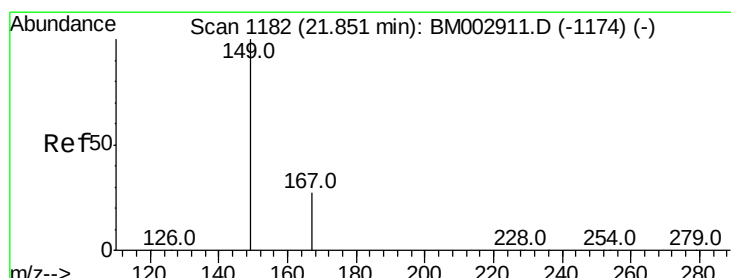
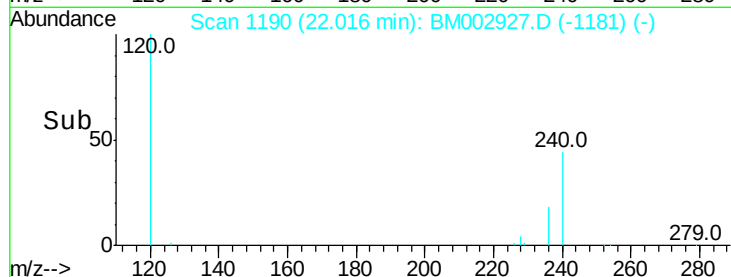
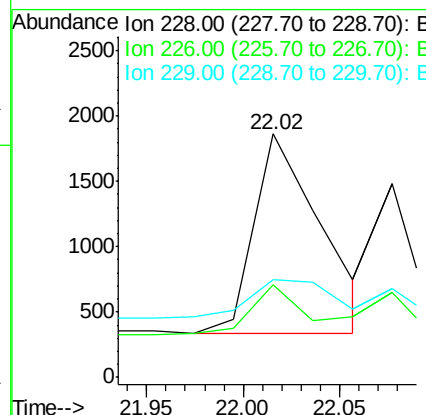
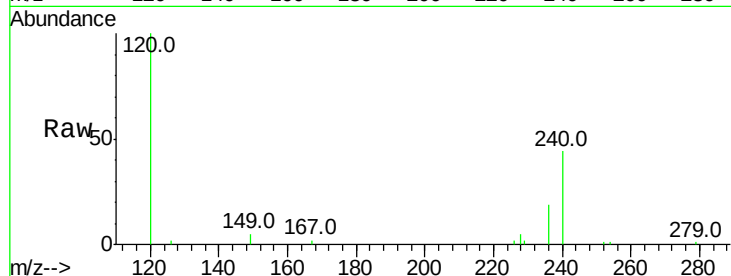
ClientSampleId :

RAV-GT-201

Tot Ion:	228	Resp:	3684
Ion Ratio	Lower	Upper	
228	100		
226	38.3	19.0	28.6#
229	40.0	16.8	25.2#

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10/16/2015 3:58:42 PM



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

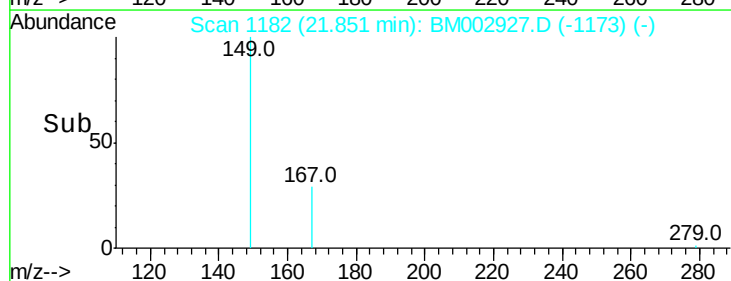
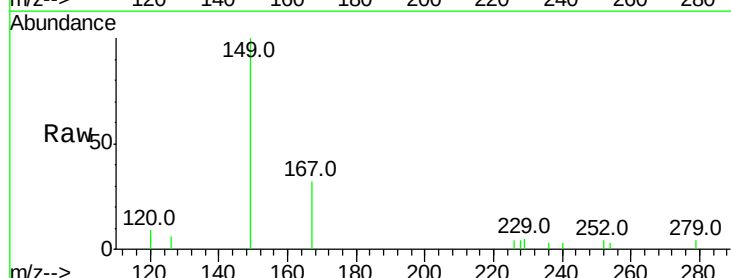
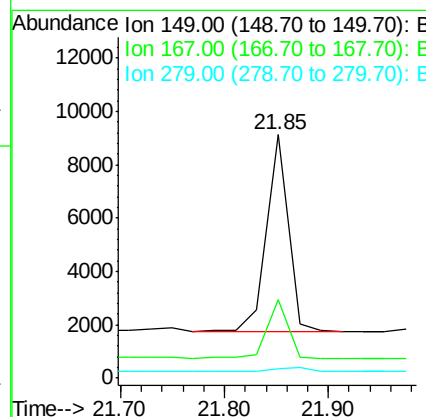
RT: 21.85 min Scan# 1182

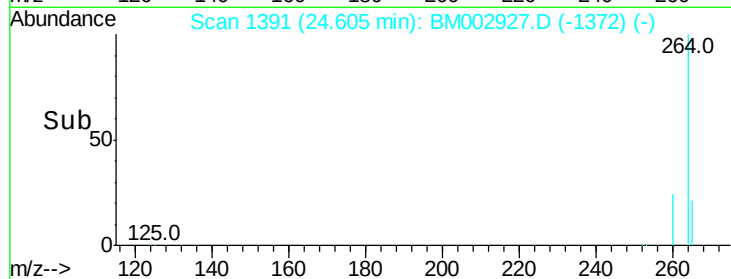
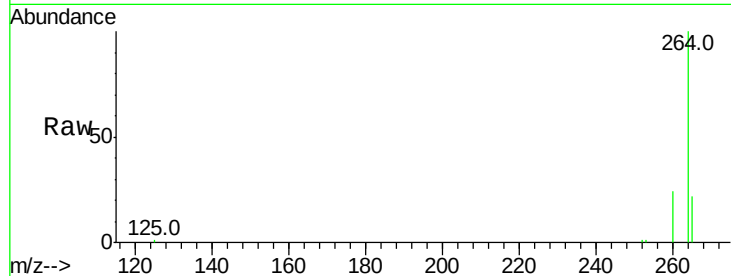
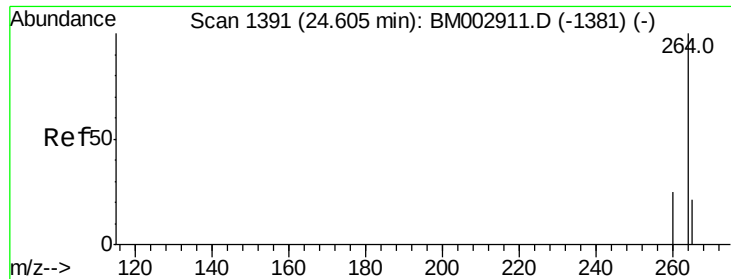
Delta R.T. -0.01 min

Lab File: BM002927.D

Acq: 15 Oct 2015 22:58

Tgt Ion:	149	Resp:	10488
Ion Ratio	Lower	Upper	
149	100		
167	29.6	17.2	25.8#
279	0.0	2.2	3.4#





#35
Pervlene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.4	20.1	30.1
265	22.3	17.6	26.4

Manual Integrations
APPROVED

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