

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002923.D
 Acq On : 15 Oct 2015 20:34
 Operator : UM/IZ
 Sample : G4018-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104

Manual Integrations
 APPROVED

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 10/16/2015 3:58:41 PM

Quant Time: Oct 16 10:52:36 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 16:21:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	93130	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	391522	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	206281	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	451919	5.00	ng	0.00
26) Chrysene-d12	22.04	240	423041	5.00	ng	0.00
35) Perylene-d12	24.60	264	361070	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	55224	3.17	ng	-0.05
5) Phenol-d6	7.79	99	44075	1.98	ng	-0.02
8) Nitrobenzene-d5	9.85	82	75515	4.03	ng	-0.03
14) 2,4,6-Tribromophenol	16.72	330	69551	8.60	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	272474	4.13	ng	-0.01
29) Terphenyl-d14	20.48	244	273546	4.32	ng	0.00
Target Compounds						Qvalue
10) Naphthalene	11.56	128	2344	0.03	ng	# 79
16) Acenaphthylene	14.96	152	6718	0.07	ng	95
17) Acenaphthene	15.30	154	6817	0.11	ng	# 100
23) Phenanthrene	17.98	178	4219	0.04	ng	# 78
24) Anthracene	18.10	178	5821	0.06	ng	# 80
25) Fluoranthene	19.97	202	34838	0.30	ng	100
28) Pyrene	20.31	202	111402	0.89	ng	# 95
30) Benzo(a)anthracene	22.02	228	13241m	0.11	ng	
32) Chrysene	22.08	228	7523m	0.07	ng	
33) Bis(2-ethylhexyl)phthalate	21.85	149	7119	0.37	ng	# 83

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

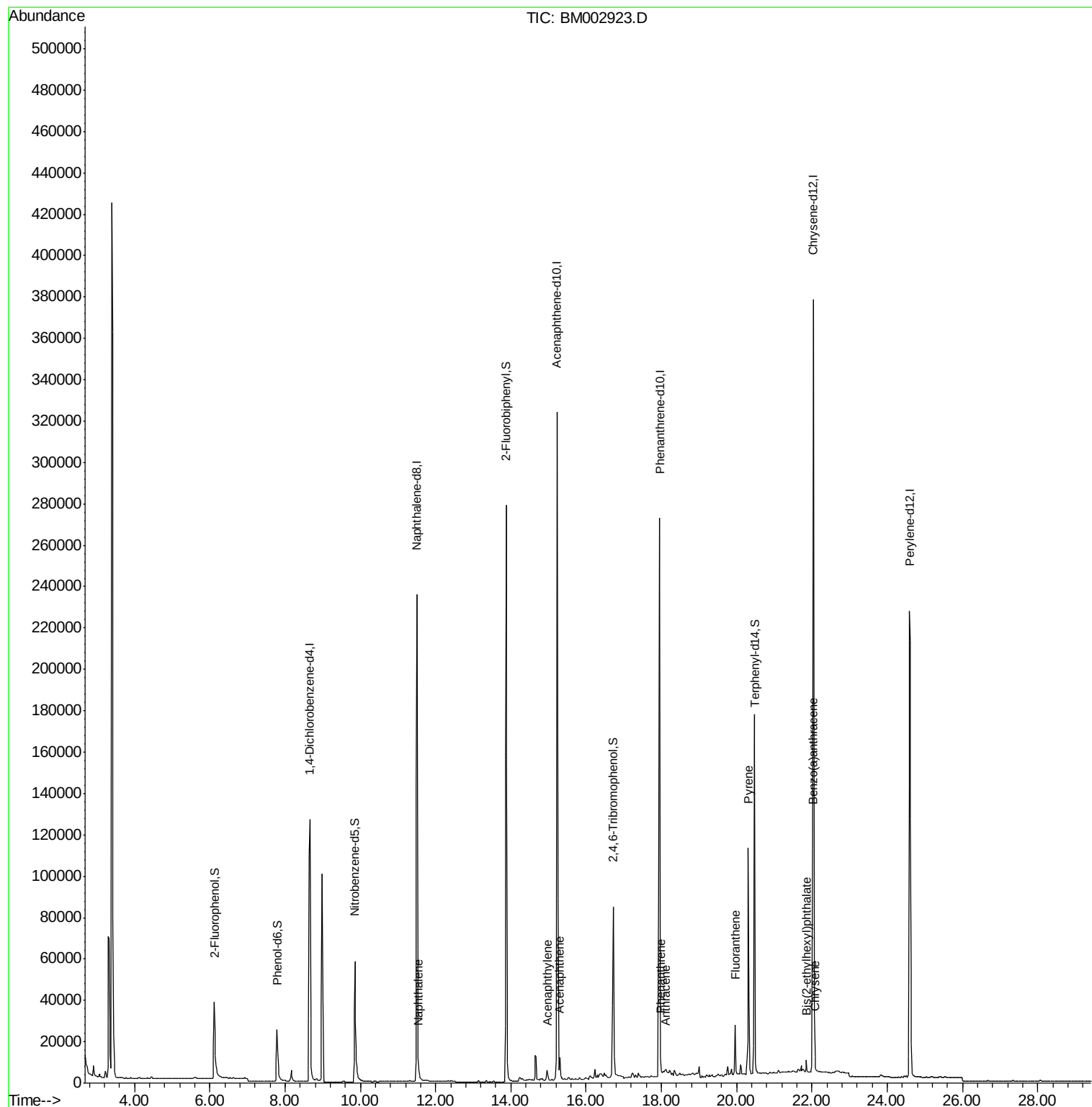
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002923.D
Acq On : 15 Oct 2015 20:34
Operator : UM/IZ
Sample : G4018-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

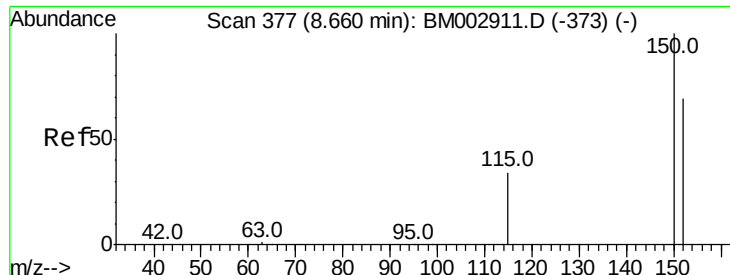
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

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Quant Time: Oct 16 10:52:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM002923.D

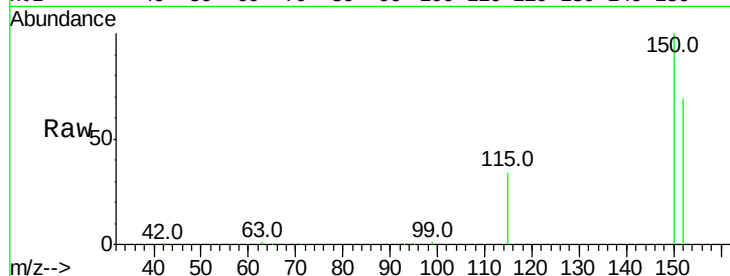
Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

ClientSampleId :

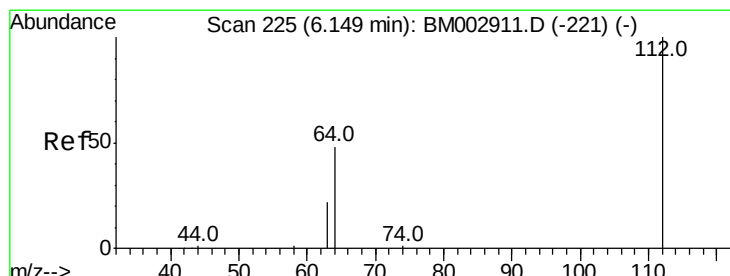
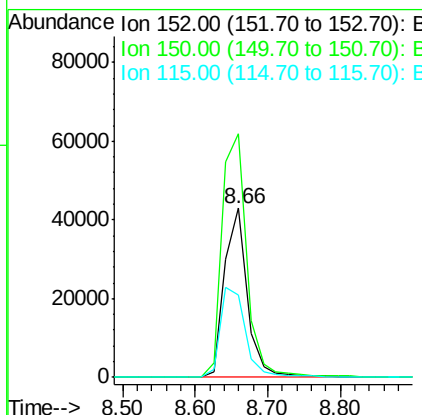
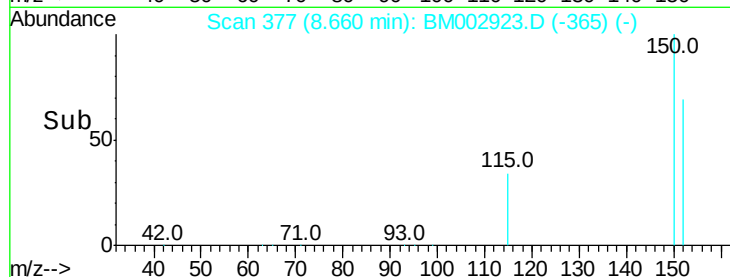
RAV-GT-104



Tot Ion	152	Resp	93130
Ion	Ratio	Lower	Upper
152	100		
150	144.0	113.0	169.6
115	49.1	37.9	56.9

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#4

2-Fluorophenol

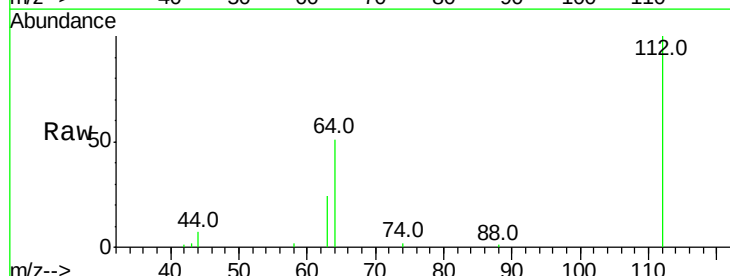
Concen: 3.17 ng

RT: 6.12 min Scan# 223

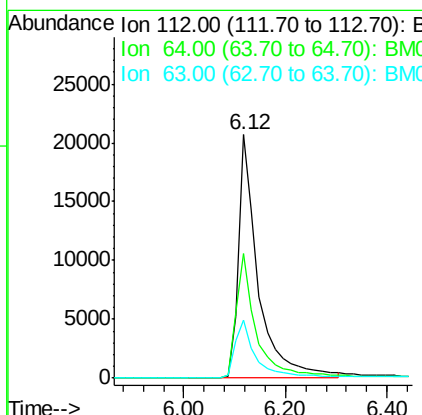
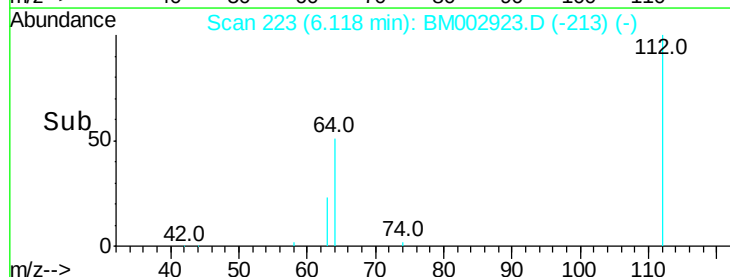
Delta R.T. -0.05 min

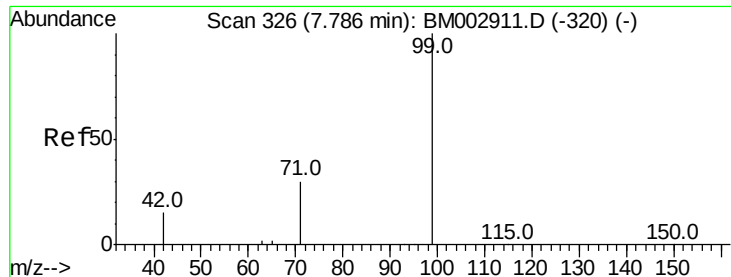
Lab File: BM002923.D

Acq: 15 Oct 2015 20:34



Tgt Ion	112	Resp	55224
Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.0	63.0
63	24.4	20.0	30.0





#5

Phenol-d6

Concen: 1.98 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

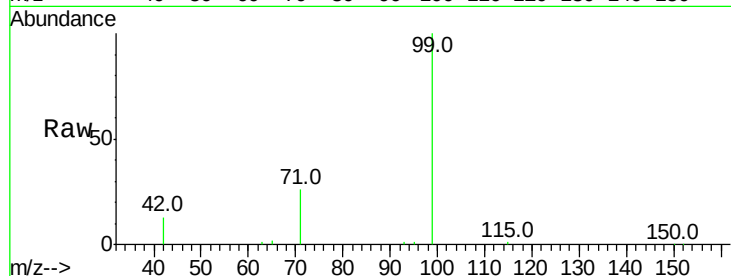
ClientSampleId :

RAV-GT-104

Tot Ion:	99	Resp:	44075
Ion Ratio	Lower	Upper	
99	100		
42	15.5	12.4	18.6
71	26.9	21.4	32.0

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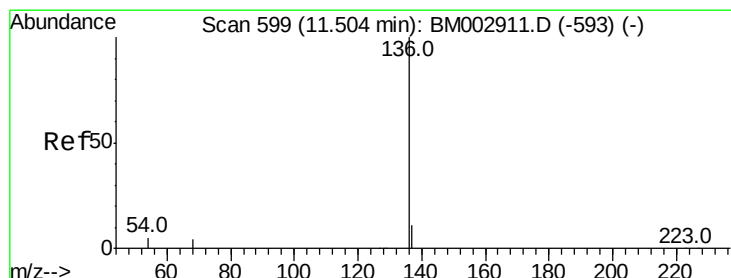
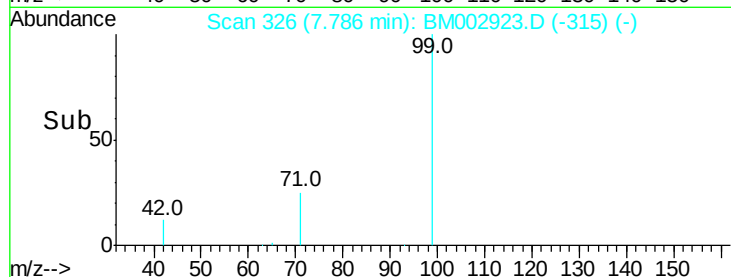
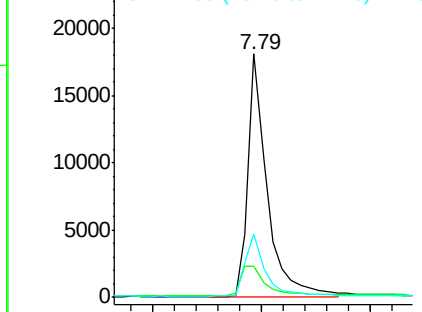


Abundance

Ion 99.00 (98.70 to 99.70): BM002923.D (-315) (-)

Ion 42.00 (41.70 to 42.70): BM002923.D (-315) (-)

Ion 71.00 (70.70 to 71.70): BM002923.D (-315) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Tgt Ion:	136	Resp:	391522
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	4.9	3.5	5.3
68	4.6	3.3	4.9

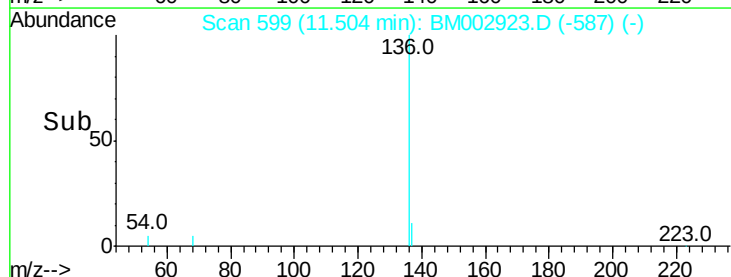
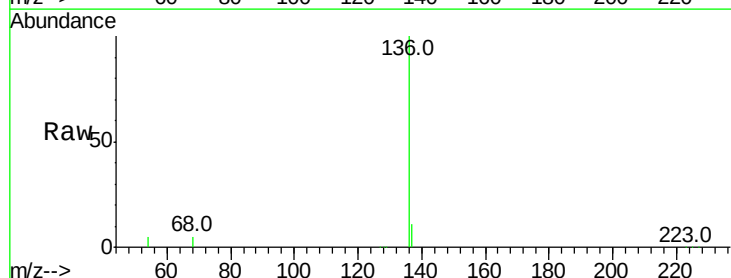
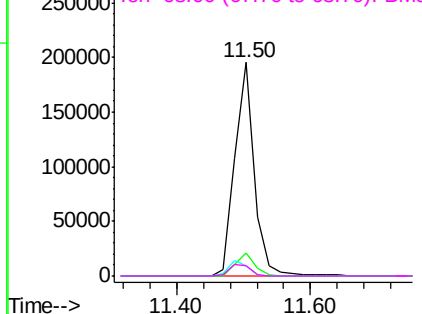
Abundance

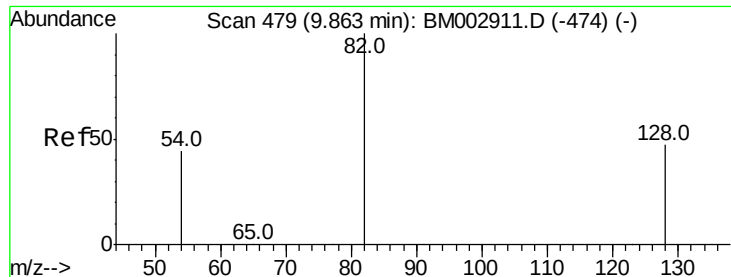
Ion 136.00 (135.70 to 136.70): BM002923.D (-587) (-)

Ion 137.00 (136.70 to 137.70): BM002923.D (-587) (-)

Ion 54.00 (53.70 to 54.70): BM002923.D (-587) (-)

Ion 68.00 (67.70 to 68.70): BM002923.D (-587) (-)





#8

Nitrobenzene-d5

Concen: 4.03 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.03 min

Lab File: BM002923.D

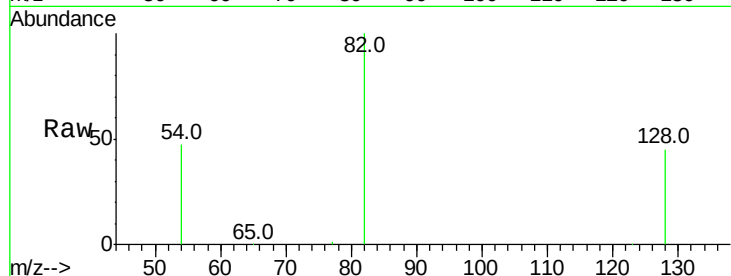
Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

ClientSampleId :

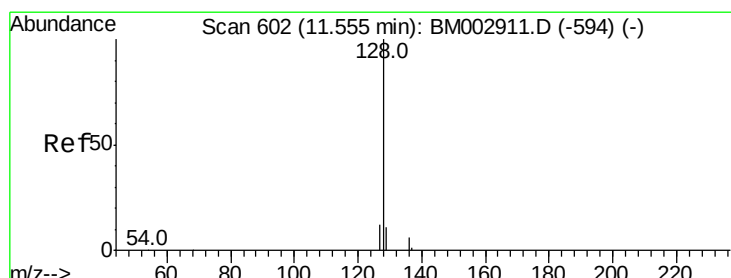
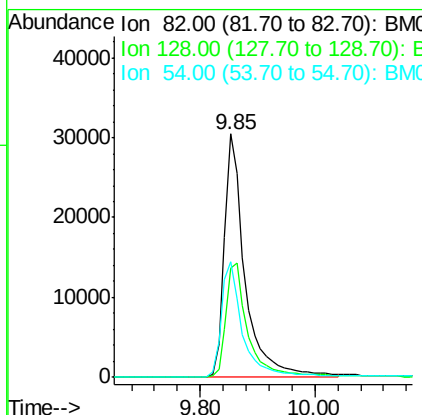
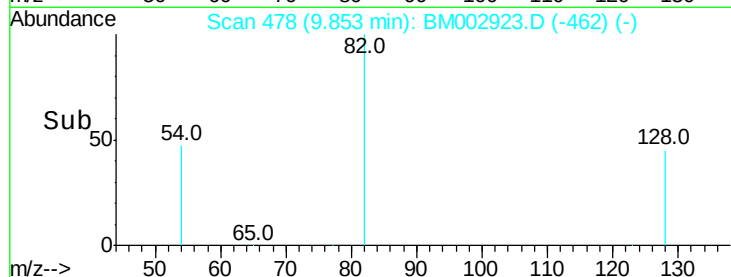
RAV-GT-104



Tot Ion:	82	Resp:	75515
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.1	51.1
54	47.3	42.6	63.8

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#10

Naphthalene

Concen: 0.03 ng

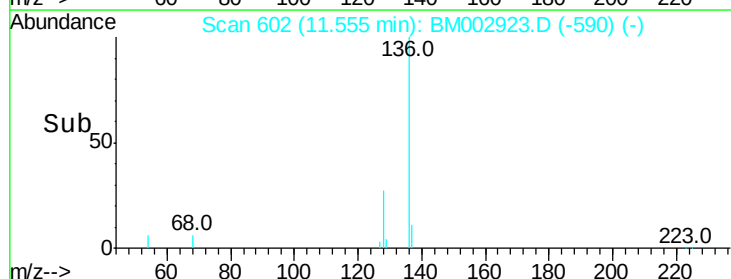
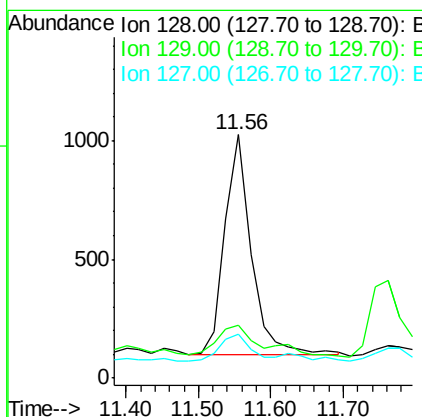
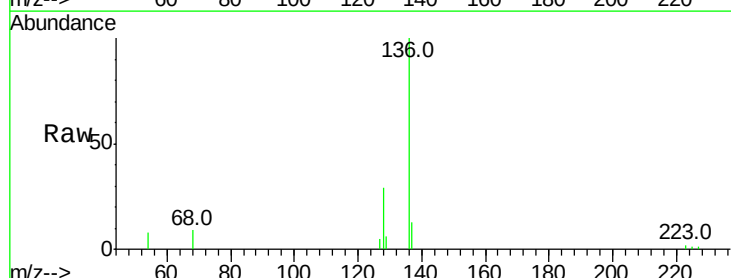
RT: 11.56 min Scan# 602

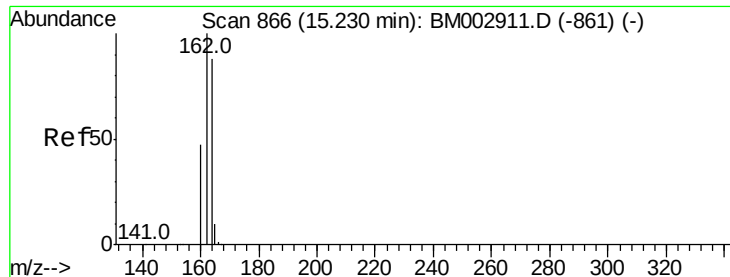
Delta R.T. -0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Tgt Ion:	128	Resp:	2344
Ion Ratio	Lower	Upper	
128	100		
129	21.7	9.4	14.2#
127	18.2	9.6	14.4#





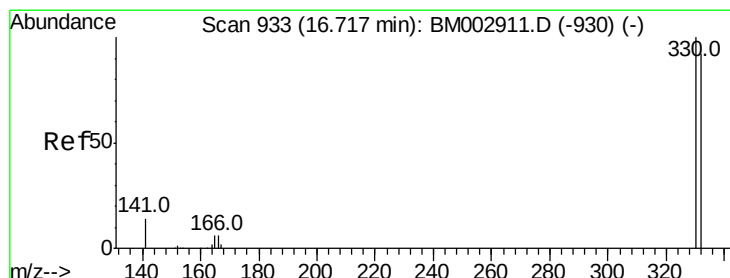
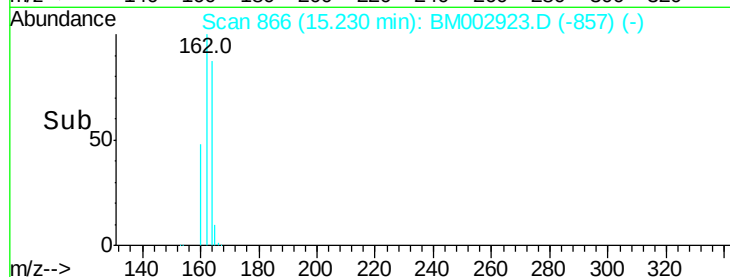
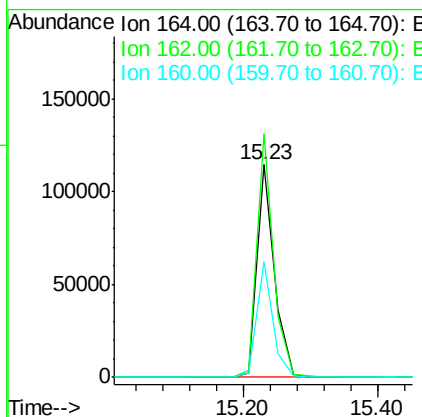
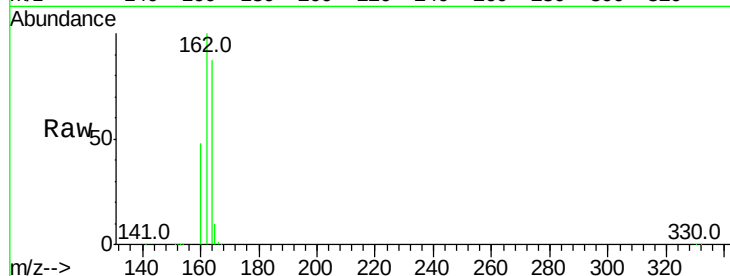
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tot Ion	Ratio	Lower	Upper
164	100		
162	114.7	79.6	119.4
160	54.6	33.1	49.7

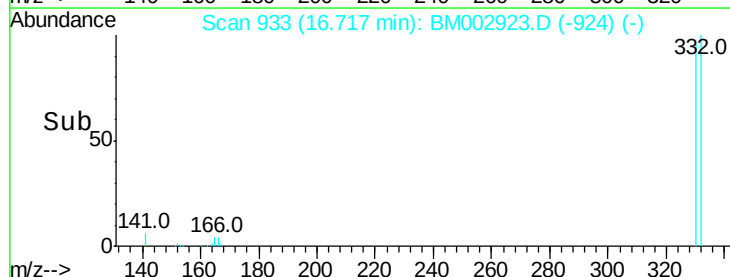
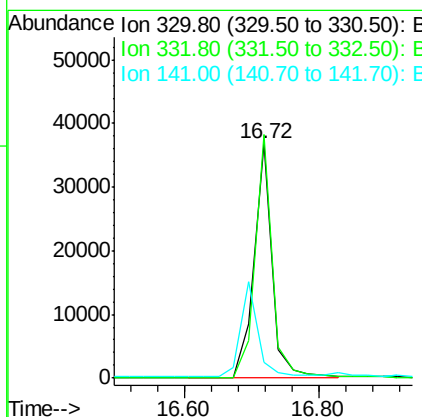
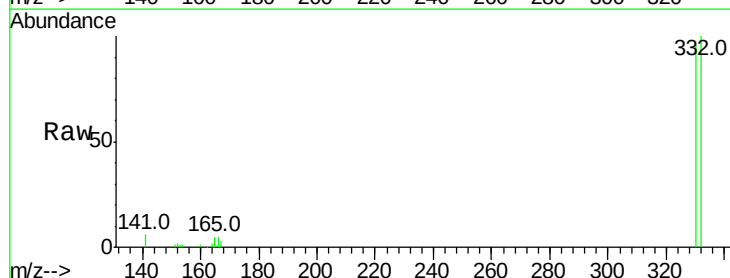
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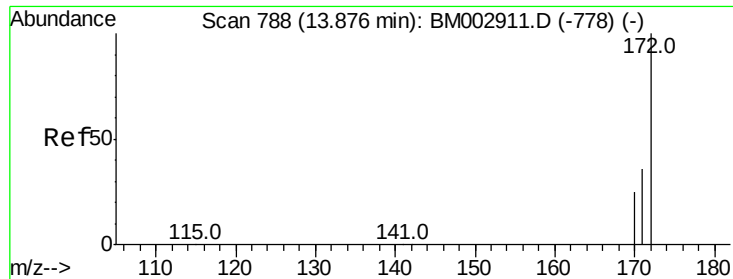
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#14
2,4,6-Tribromophenol
Concen: 8.60 ng
RT: 16.72 min Scan# 933
Delta R.T. 0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.6	115.0
141	0.0	0.0	0.0





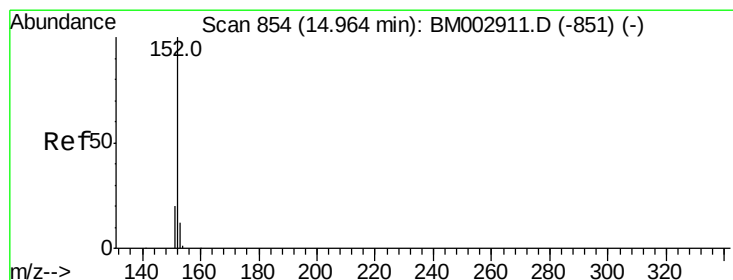
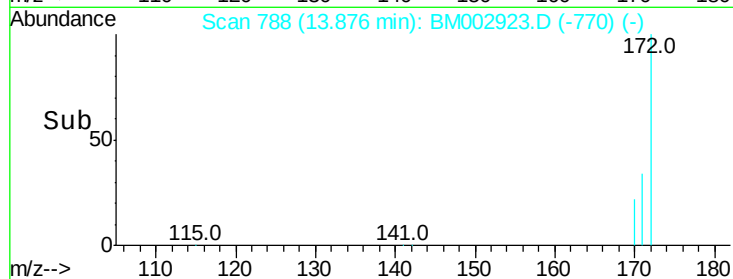
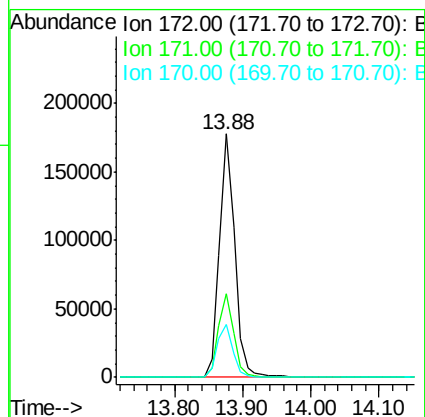
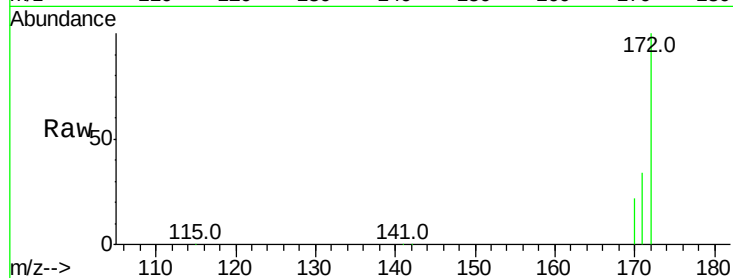
#15
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 13.88 min Scan# 788
Delta R.T. -0.01 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tot Ion	Ratio	Resp	Lower	Upper
172	100	272474		
171	34.5	26.1	39.1	
170	21.9	15.7	23.5	

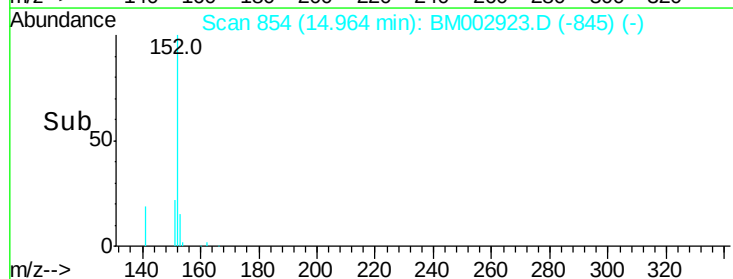
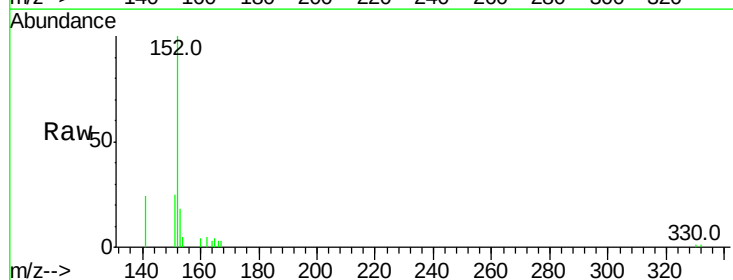
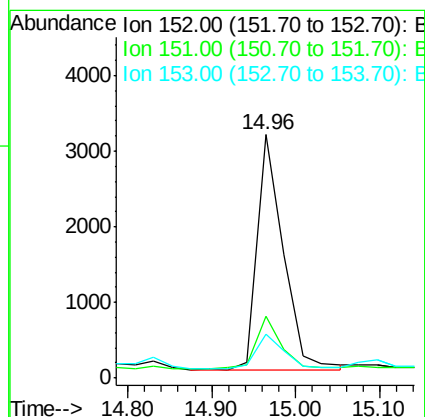
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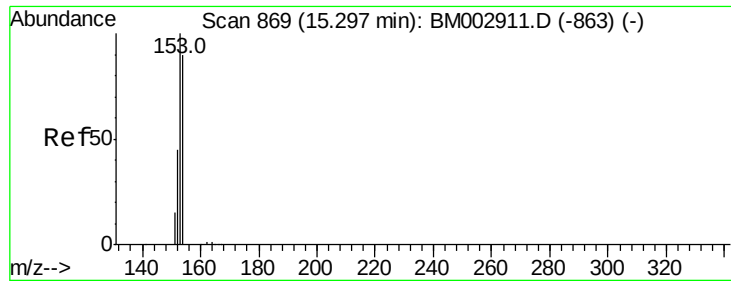
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#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.96 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	6718		
151	20.7	15.3	22.9	
153	15.6	10.5	15.7	





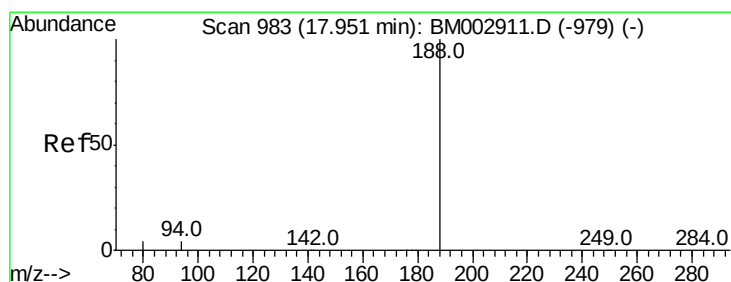
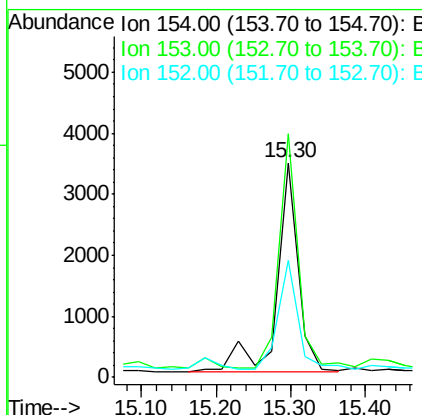
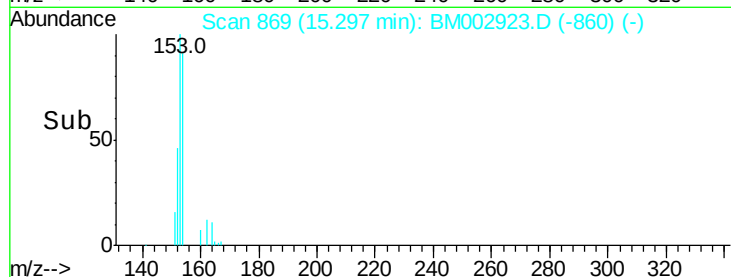
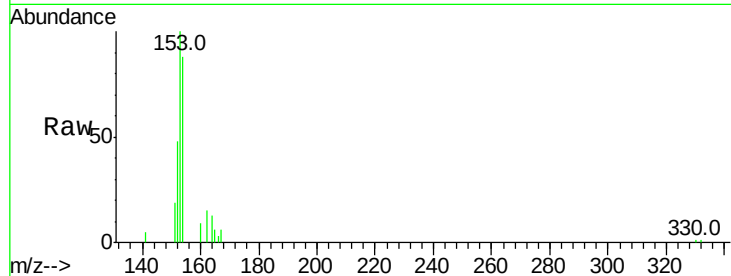
#17
Acenaphthene
Concen: 0.11 ng
RT: 15.30 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tot Ion	Ratio	Lower	Upper
154	100		
153	97.1	0.0	0.0#
152	49.2	0.0	0.0#

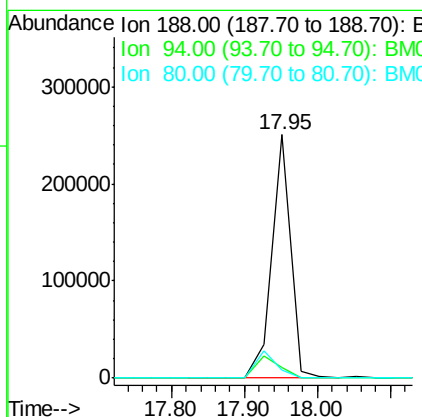
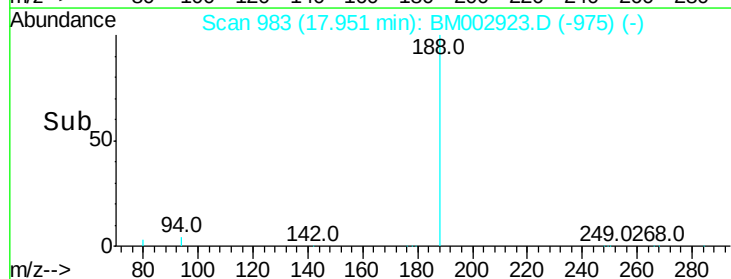
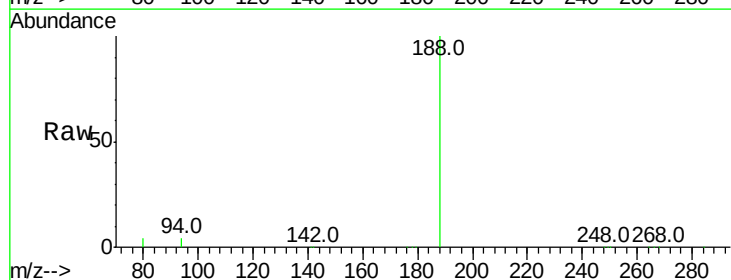
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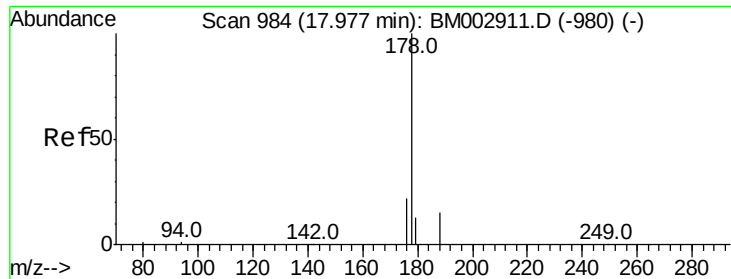
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#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.2	15.2	22.8#
80	3.5	15.9	23.9#





#23

Phenanthrene

Concen: 0.04 ng

RT: 17.98 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

ClientSampleId :

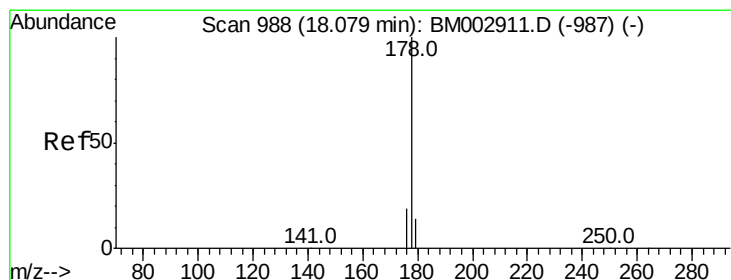
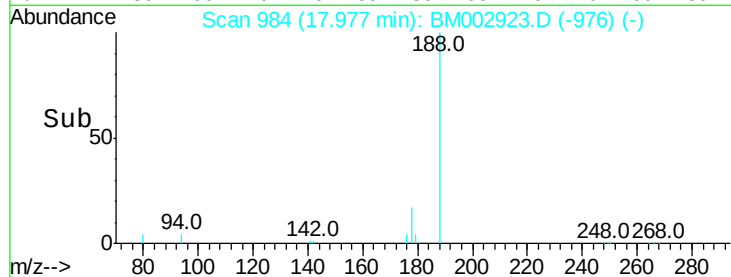
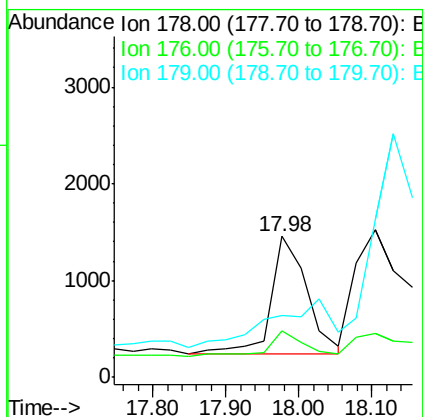
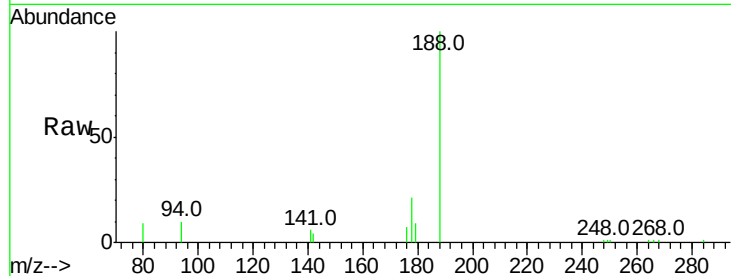
RAV-GT-104

Tot Ion:178 Resp: 4219

Ion	Ratio	Lower	Upper
178	100		
176	22.1	14.6	21.8#
179	0.0	12.5	18.7#

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#24

Anthracene

Concen: 0.06 ng

RT: 18.10 min Scan# 989

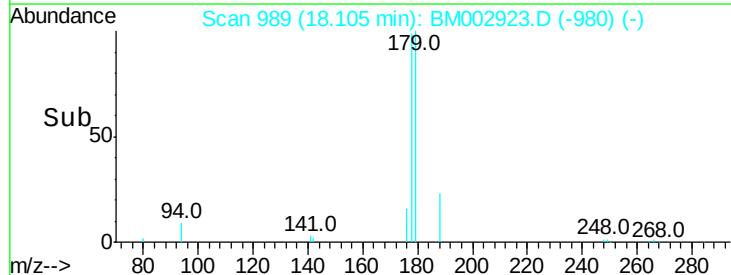
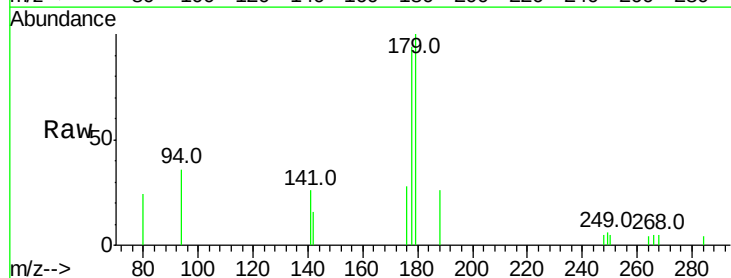
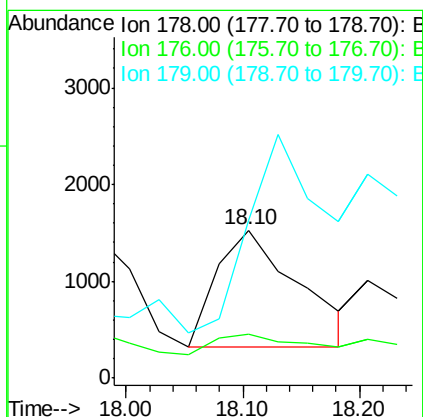
Delta R.T. 0.03 min

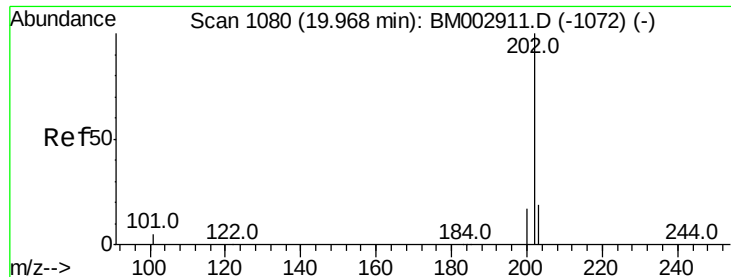
Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Tgt Ion:178 Resp: 5821

Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.9	20.9
179	0.0	12.6	18.8#





#25

Fluoranthene

Concen: 0.30 ng

RT: 19.97 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

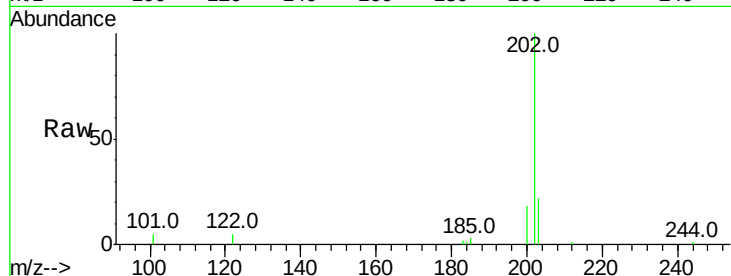
ClientSampleId :

RAV-GT-104

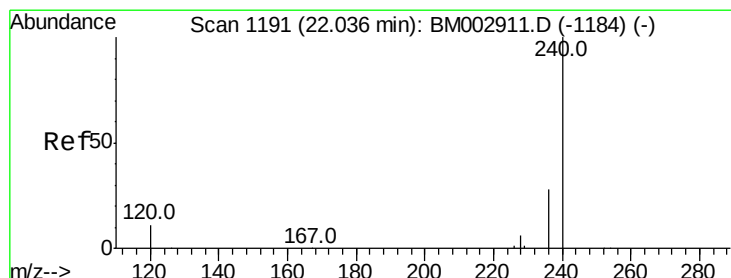
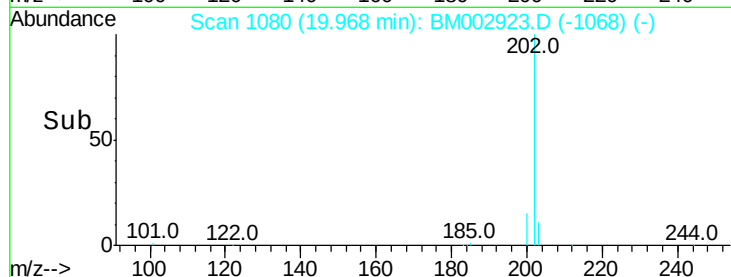
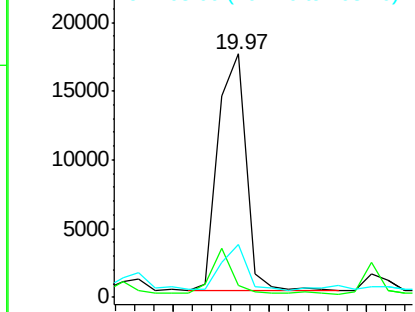
Tot Ion:	202	Resp:	34838
Ion Ratio	Lower	Upper	
202	100		
101	13.8	11.0	16.6
203	17.1	13.8	20.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

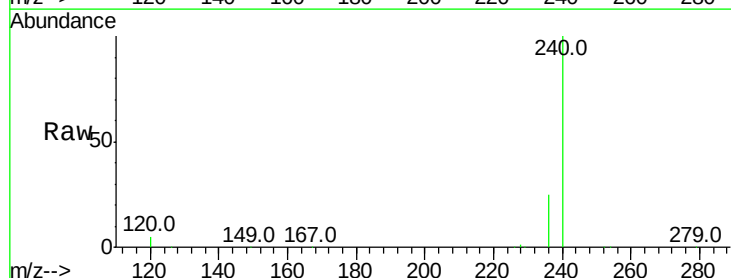
RT: 22.04 min Scan# 1191

Delta R.T. 0.00 min

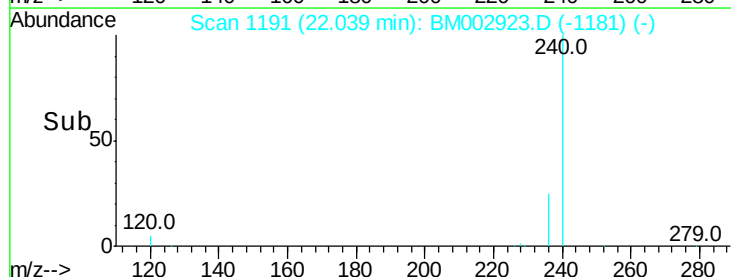
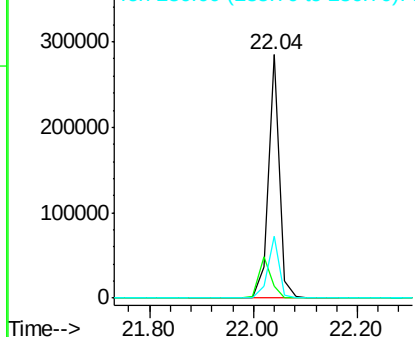
Lab File: BM002923.D

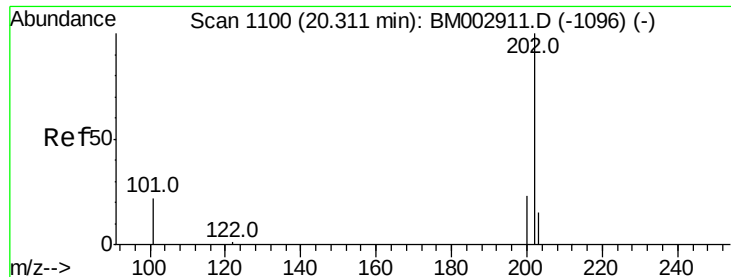
Acq: 15 Oct 2015 20:34

Tgt Ion:	240	Resp:	423041
Ion Ratio	Lower	Upper	
240	100		
120	4.8	3.3	4.9
236	25.4	19.5	29.3



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





#28

Pvrene

Concen: 0.89 ng

RT: 20.31 min Scan# 1100

Delta R.T. -0.02 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

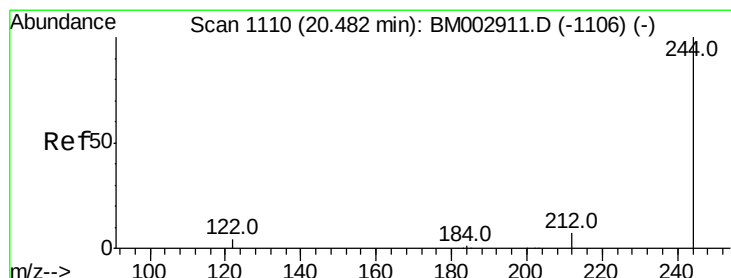
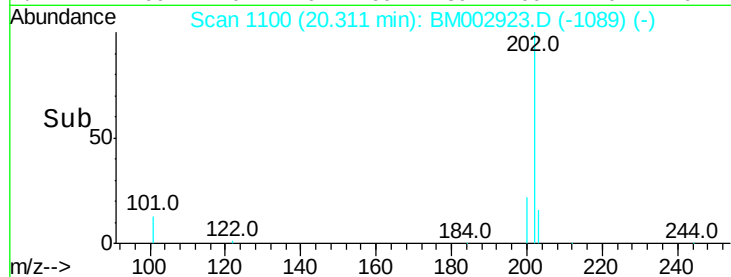
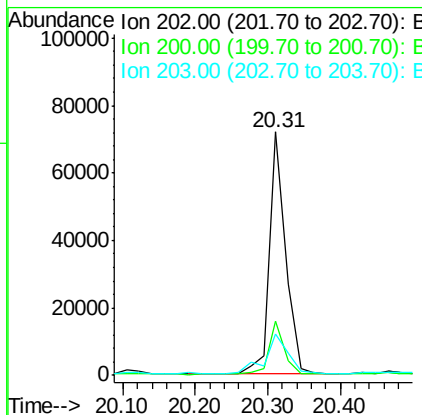
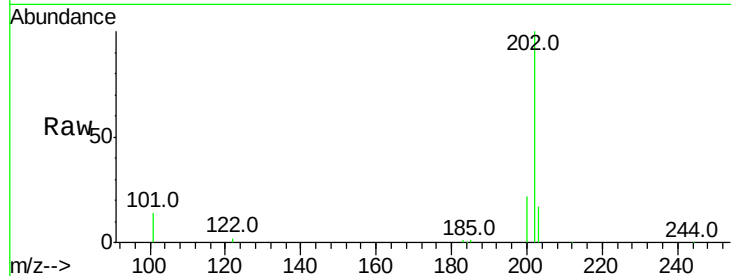
ClientSampleId :

RAV-GT-104

Tot Ion:	202	Resp:	111402
Ion Ratio		Lower	Upper
202	100		
200	20.9	16.2	24.4
203	21.8	13.8	20.8

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#29

Terphenyl-d14

Concen: 4.32 ng

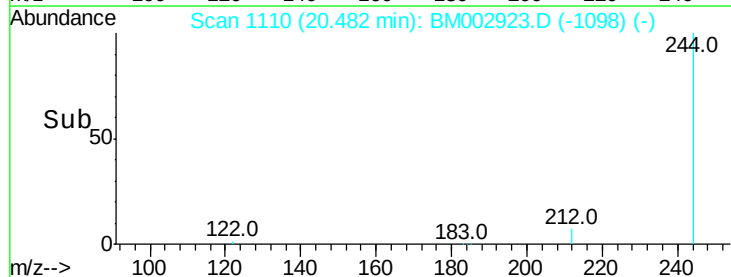
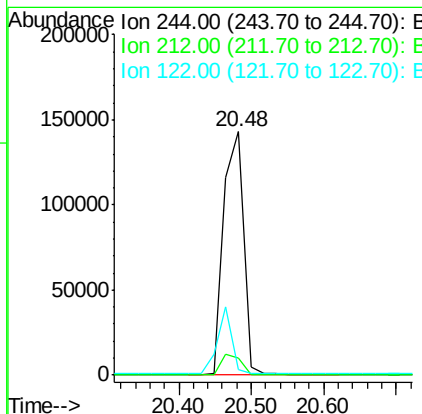
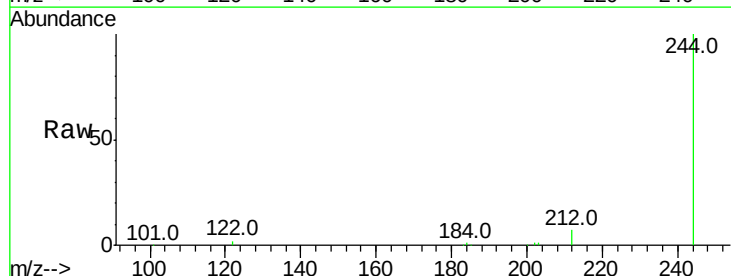
RT: 20.48 min Scan# 1110

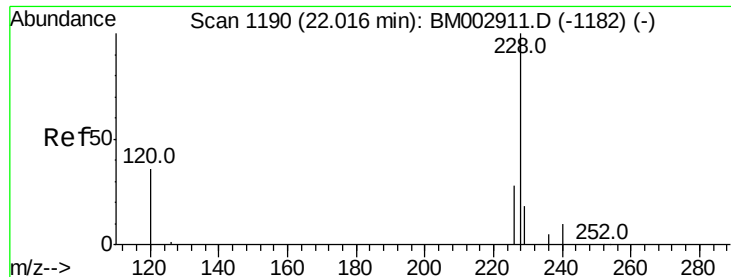
Delta R.T. -0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Tgt Ion:	244	Resp:	273546
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.6	8.4
122	2.0	2.2	3.2





#30

Benzo(a)anthracene

Concen: 0.11 ng m

RT: 22.02 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Instrument :

BNA_M

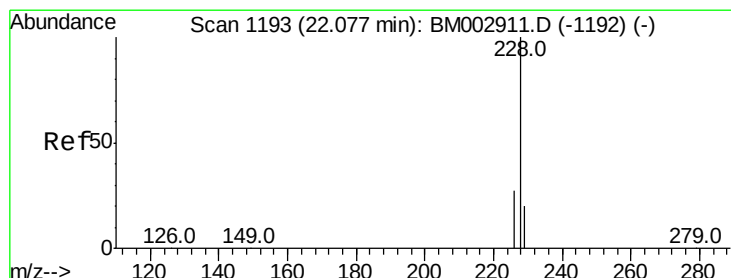
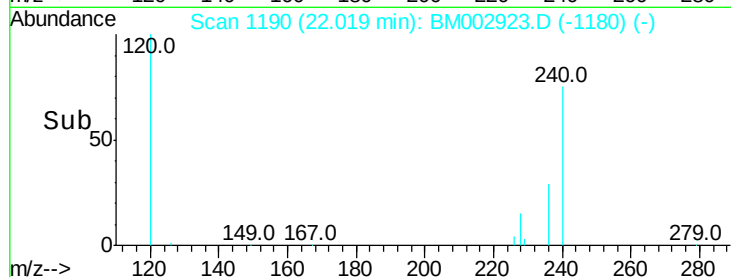
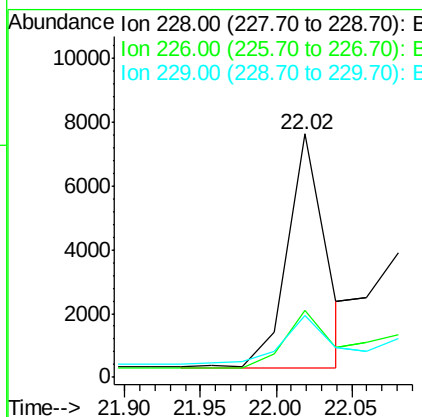
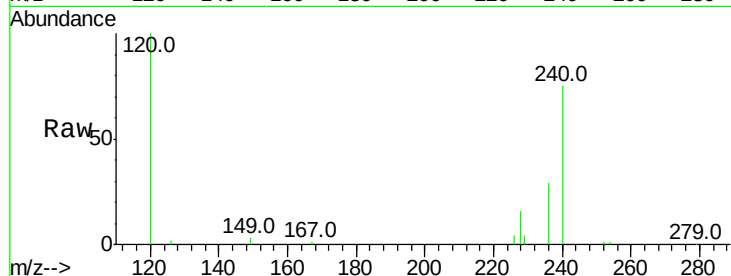
ClientSampleId :

RAV-GT-104

Tot Ion:	228	Resp:	13241
Ion Ratio	Lower	Upper	
228	100		
226	27.4	19.0	28.6
229	25.2	16.8	25.2

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#32

Chrysene

Concen: 0.07 ng m

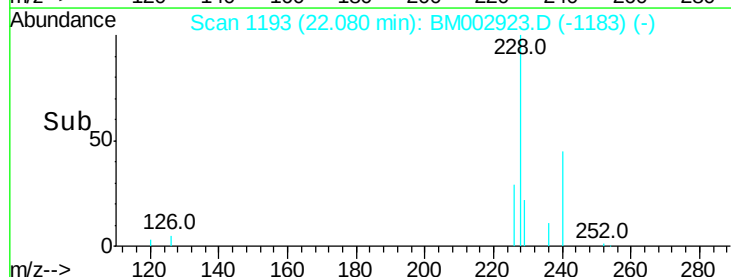
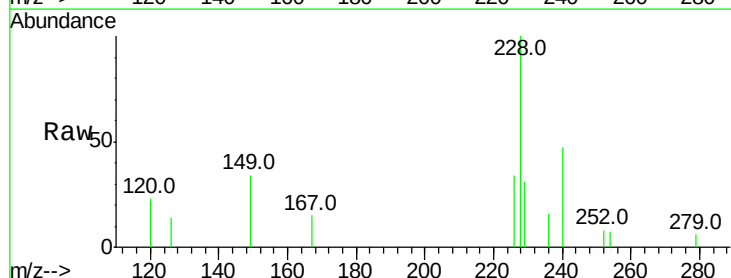
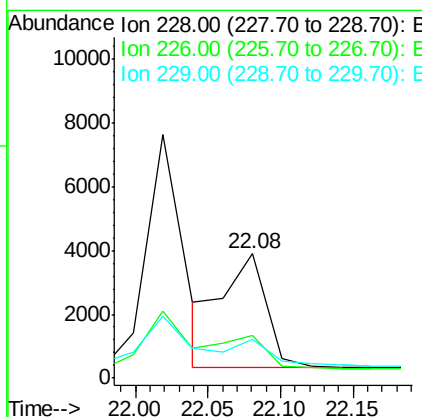
RT: 22.08 min Scan# 1193

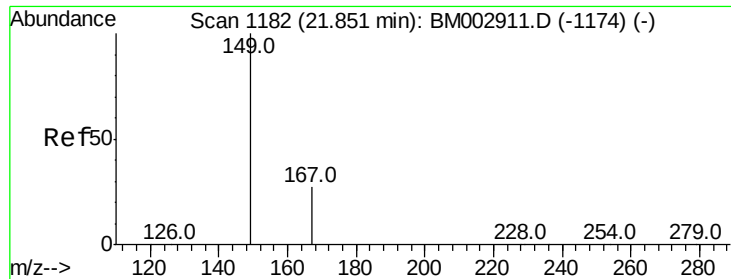
Delta R.T. 0.00 min

Lab File: BM002923.D

Acq: 15 Oct 2015 20:34

Tgt Ion:	228	Resp:	7523
Ion Ratio	Lower	Upper	
228	100		
226	34.2	20.6	30.8#
229	31.2	17.4	26.2#





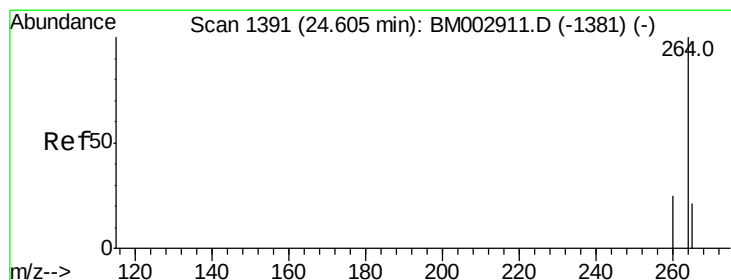
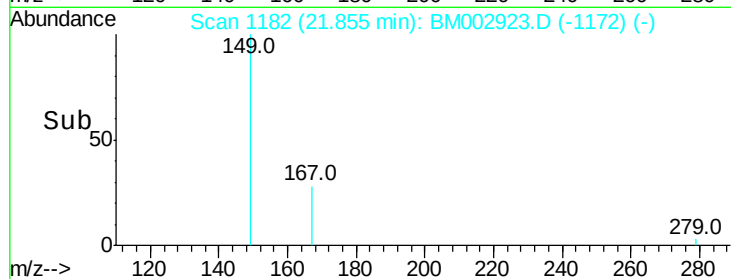
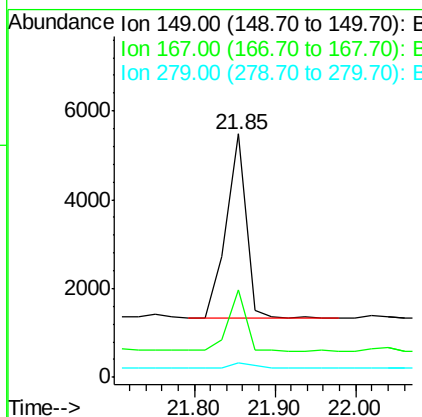
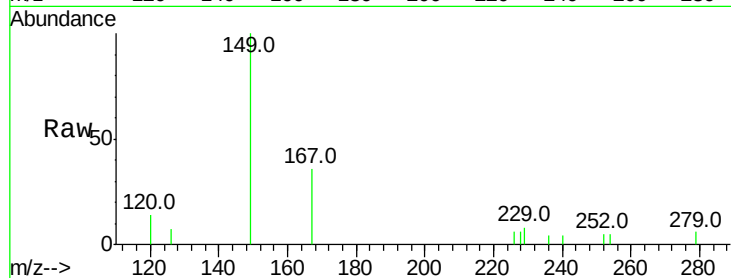
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.37 ng
 RT: 21.85 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BM002923.D
 Acq: 15 Oct 2015 20:34

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.0	17.2	25.8#
279	4.9	2.2	3.4#

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#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.60 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BM002923.D
 Acq: 15 Oct 2015 20:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.4	17.6	26.4

