

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
 Data File : BM002921.D
 Acq On : 15 Oct 2015 19:21
 Operator : UM/IZ
 Sample : G4018-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-106

Manual Integrations
 APPROVED

MMdadoda
 10/16/2015 3:58:43 PM

Quant Time: Oct 16 07:12:52 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	86025	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	358197	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	190609	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	426052	5.00	ng	0.00
26) Chrysene-d12	22.04	240	385731	5.00	ng	0.00
35) Perylene-d12	24.61	264	318772	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.13	112	44251	2.75	ng	-0.02
5) Phenol-d6	7.79	99	37004	1.80	ng	-0.02
8) Nitrobenzene-d5	9.86	82	61418	3.58	ng	0.00
14) 2,4,6-Tribromophenol	16.72	330	54006	7.25	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	230975	3.78	ng	0.00
29) Terphenyl-d14	20.48	244	237315	4.11	ng	0.00
Target Compounds						
10) Naphthalene	11.56	128	1676	0.02	ng	# 80
23) Phenanthrene	17.98	178	2423	0.02	ng	# 78
25) Fluoranthene	19.97	202	2352	0.02	ng	# 44
28) Pyrene	20.33	202	2374	0.02	ng	# 89
30) Benzo(a)anthracene	22.02	228	2756m	0.02	ng	
33) Bis(2-ethylhexyl)phthalate	21.85	149	35313	0.69	ng	# 87
36) Benzo(b)fluoranthene	23.83	252	2003m	0.02	ng	

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

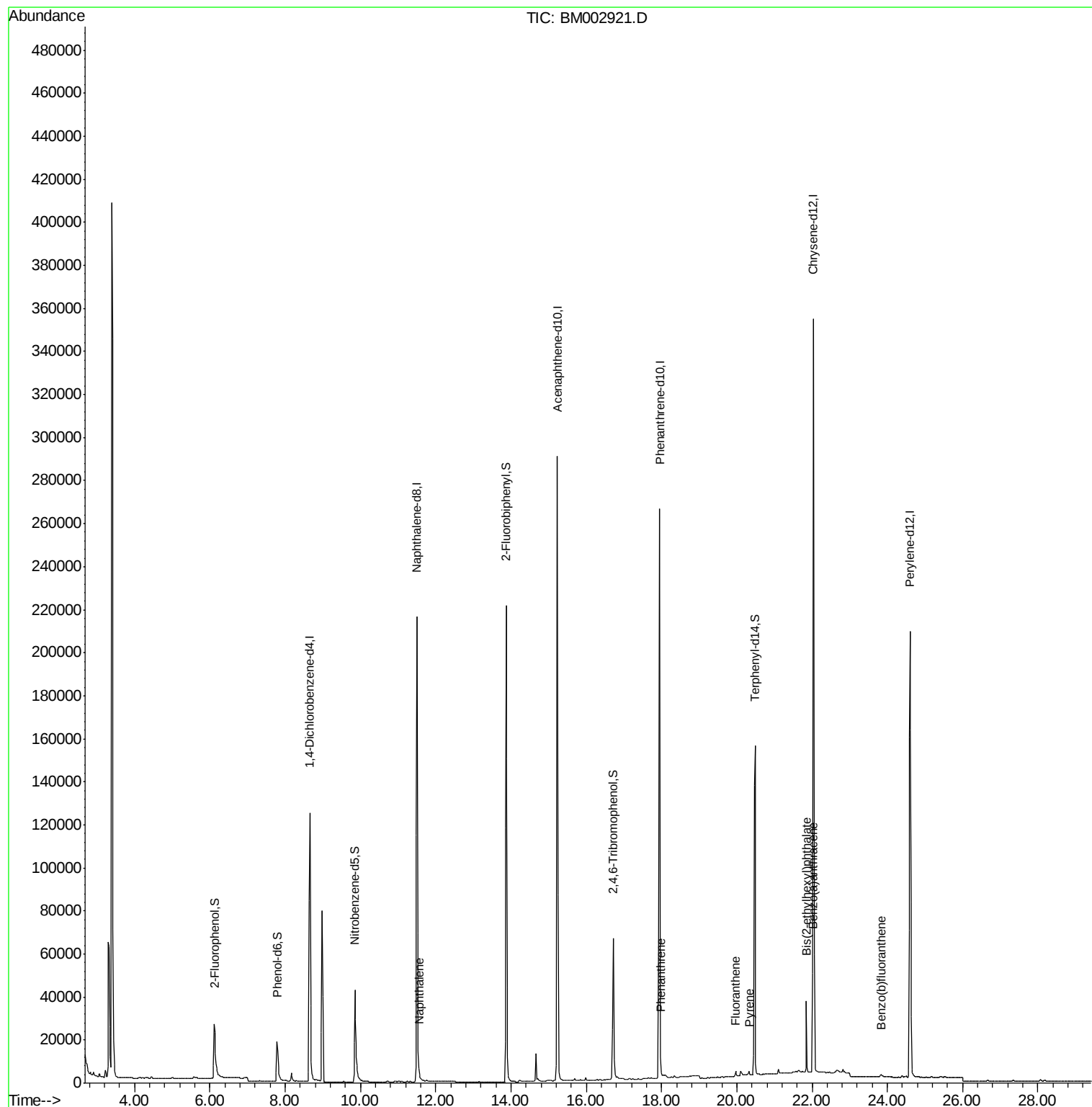
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002921.D
Acq On : 15 Oct 2015 19:21
Operator : UM/IZ
Sample : G4018-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

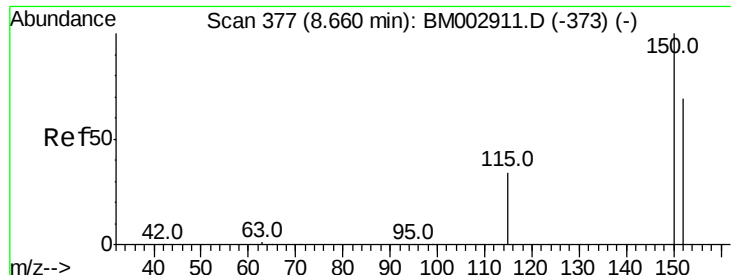
Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

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Quant Time: Oct 16 07:12:52 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
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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: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

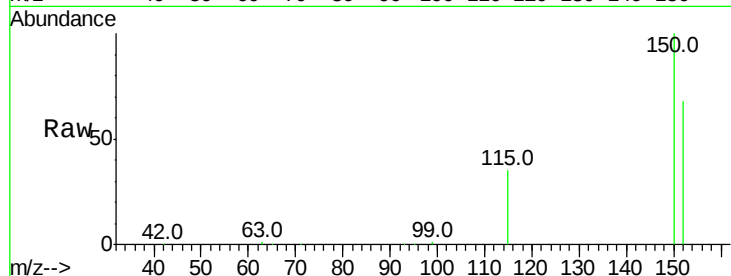
ClientSampleId :

RAV-GT-106

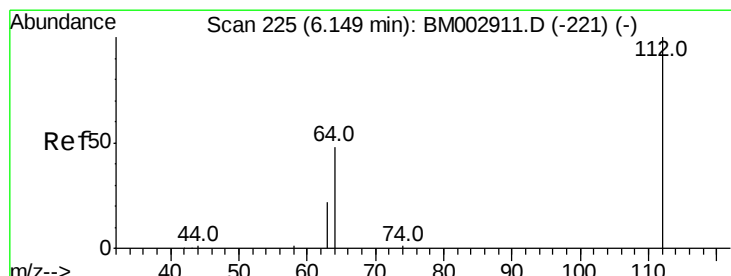
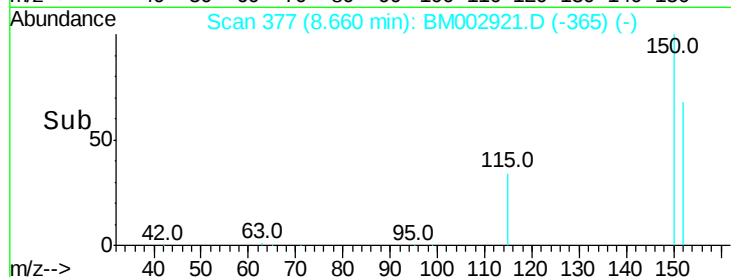
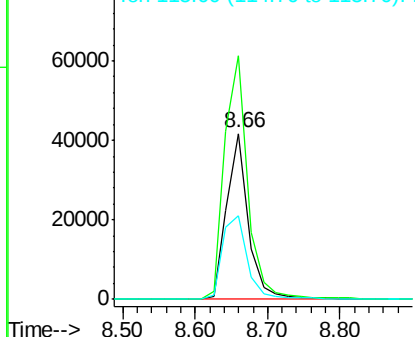
Tot Ion:	152	Resp:	86025
Ion Ratio	Lower	Upper	
152	100		
150	146.6	113.0	169.6
115	50.6	37.9	56.9

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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: 2.75 ng

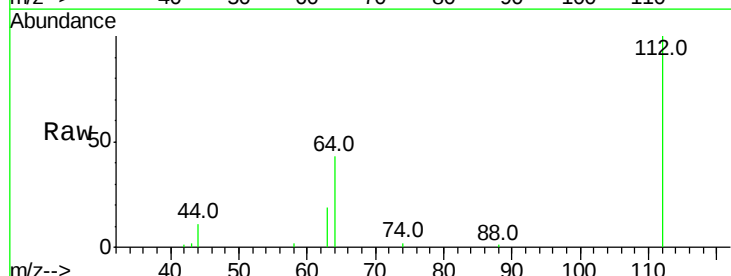
RT: 6.13 min Scan# 224

Delta R.T. -0.02 min

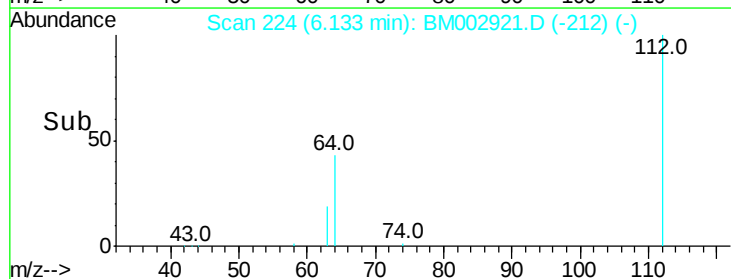
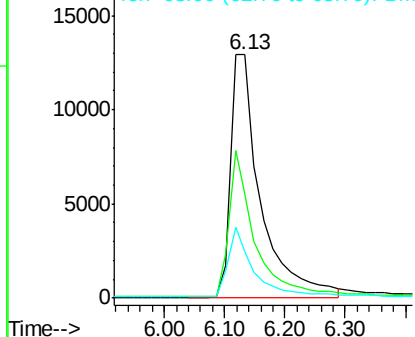
Lab File: BM002921.D

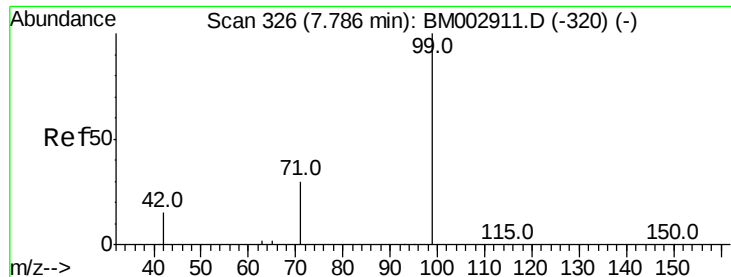
Acq: 15 Oct 2015 19:21

Tgt Ion:	112	Resp:	44251
Ion Ratio	Lower	Upper	
112	100		
64	51.5	42.0	63.0
63	24.4	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: 1.80 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

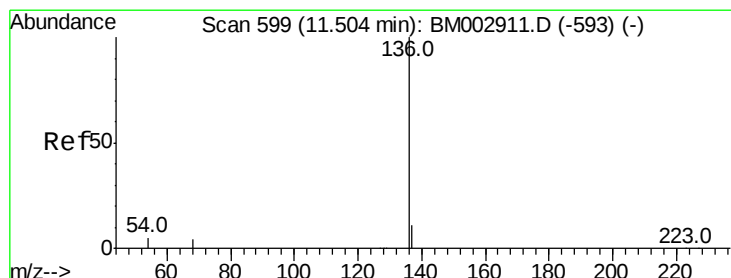
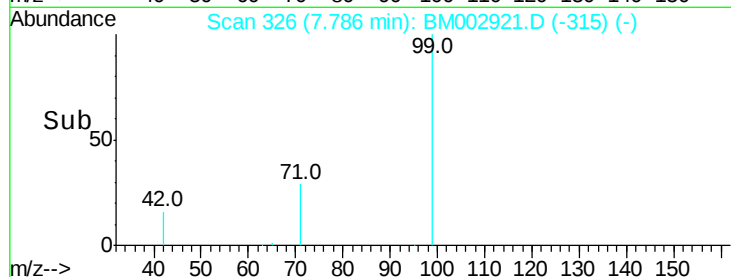
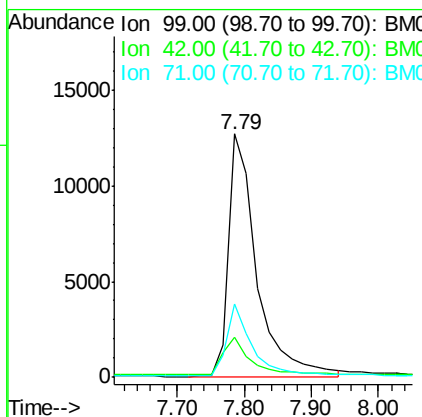
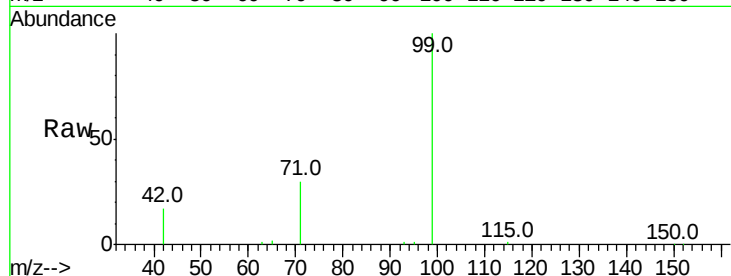
ClientSampleId :

RAV-GT-106

Tot Ion:	99	Resp:	37004
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.4	18.6
71	26.9	21.4	32.0

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#7

Naphthalene-d8

Concen: 5.00 ng

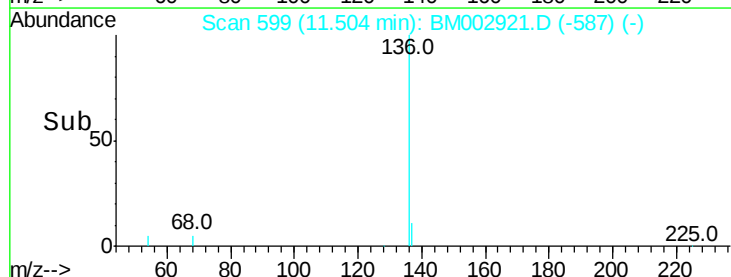
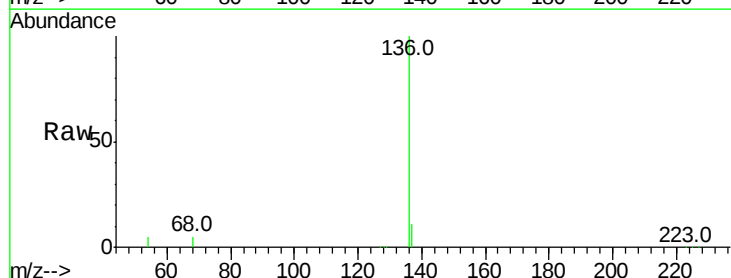
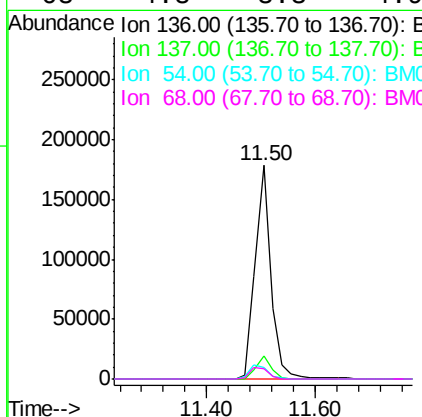
RT: 11.50 min Scan# 599

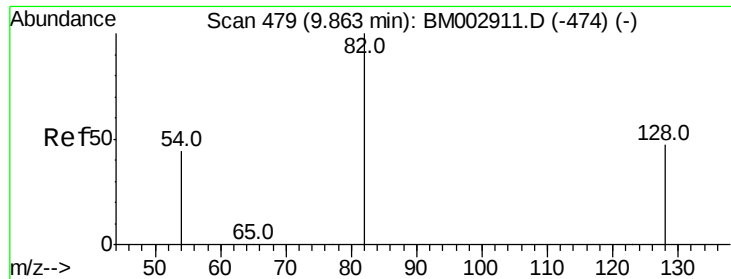
Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Tgt Ion:	136	Resp:	358197
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	5.3	3.5	5.3#
68	4.8	3.3	4.9





#8

Nitrobenzene-d5

Concen: 3.58 ng

RT: 9.86 min Scan# 479

Delta R.T. -0.00 min

Lab File: BM002921.D

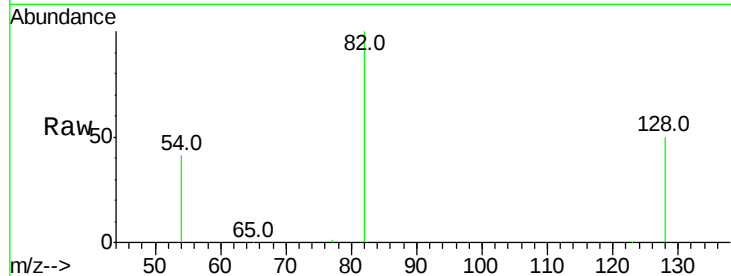
Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

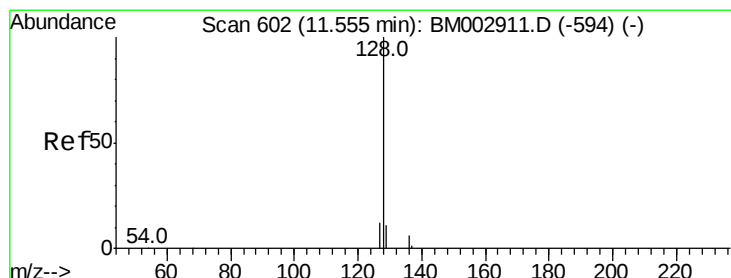
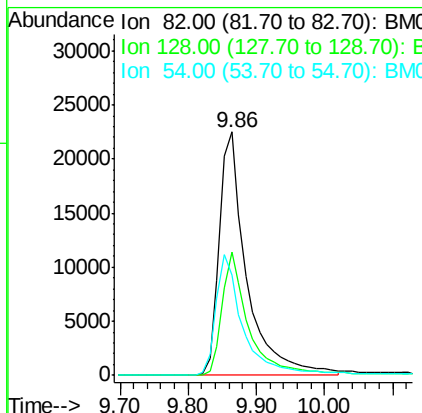
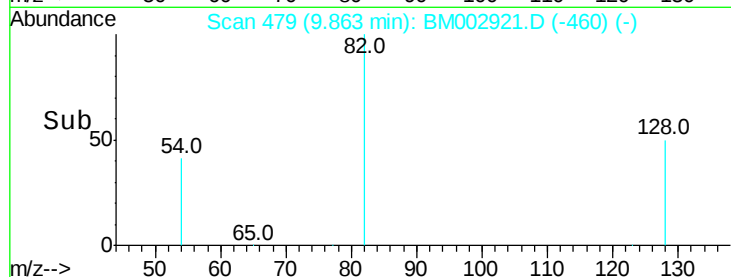


Tot Ion: 82 Resp: 61418

Ion	Ratio	Lower	Upper
82	100		
128	50.4	34.1	51.1
54	41.1	42.6	63.8#

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#10

Naphthalene

Concen: 0.02 ng

RT: 11.56 min Scan# 602

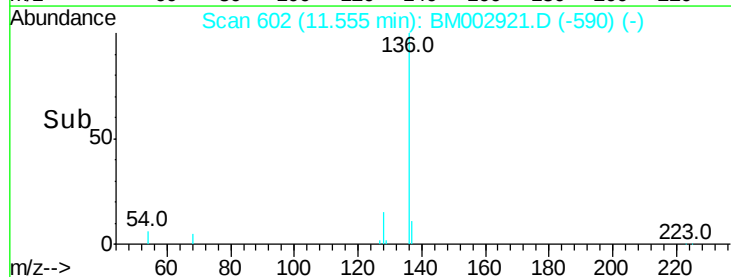
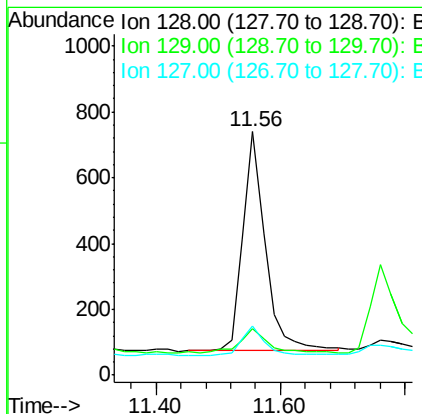
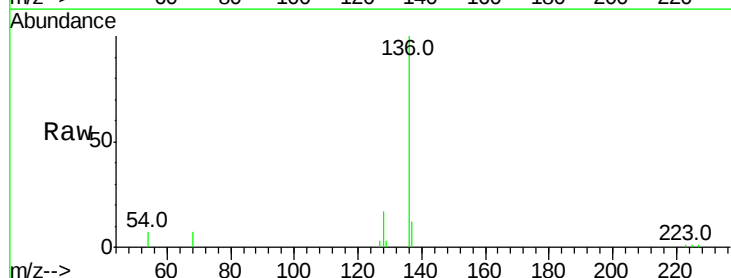
Delta R.T. -0.00 min

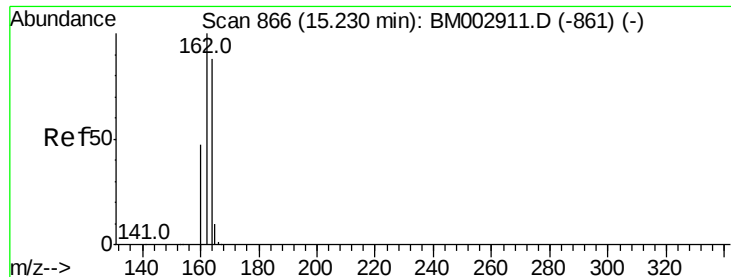
Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Tgt Ion: 128 Resp: 1676

Ion	Ratio	Lower	Upper
128	100		
129	19.2	9.4	14.2#
127	20.1	9.6	14.4#





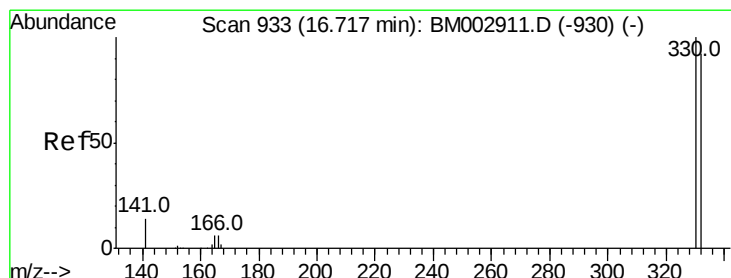
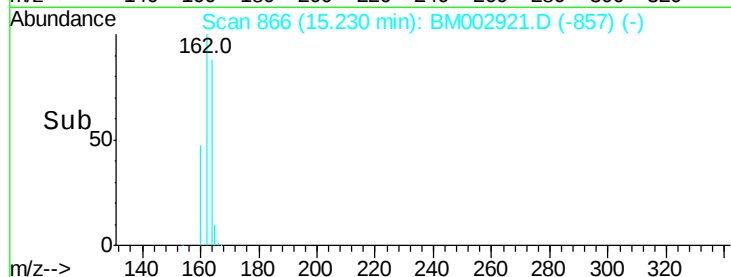
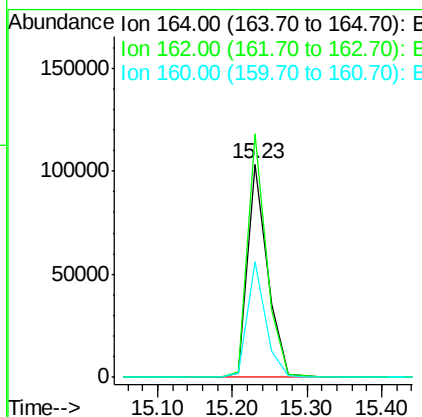
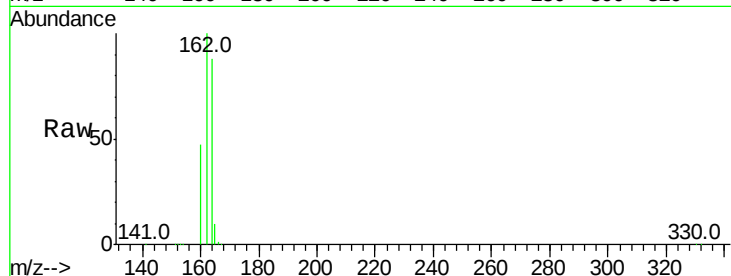
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

Tot Ion	Ratio	Lower	Upper
164	100		
162	114.1	79.6	119.4
160	53.9	33.1	49.7

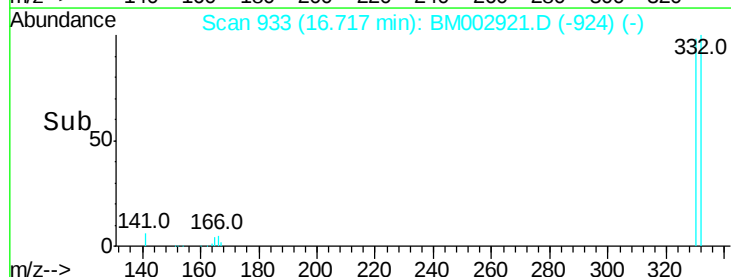
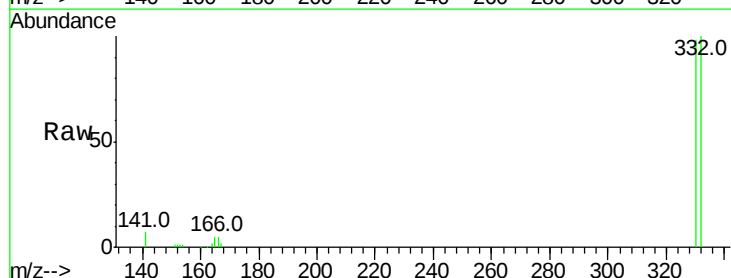
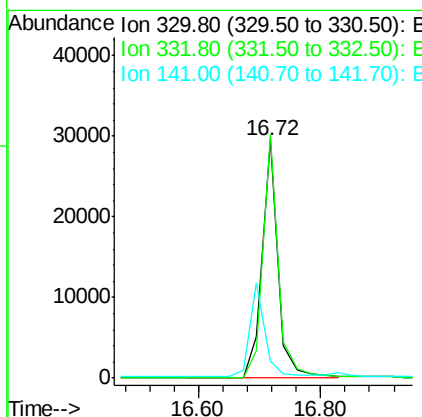
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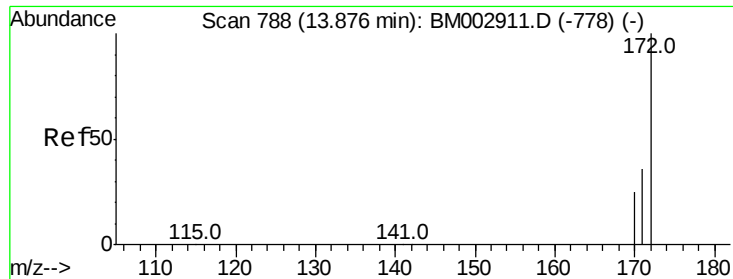
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#14
2,4,6-Tribromophenol
Concen: 7.25 ng
RT: 16.72 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	115.0
141	0.0	0.0	0.0





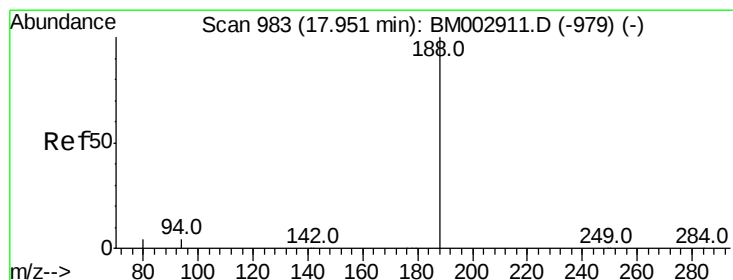
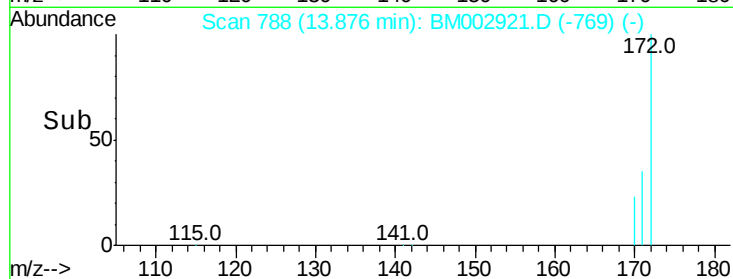
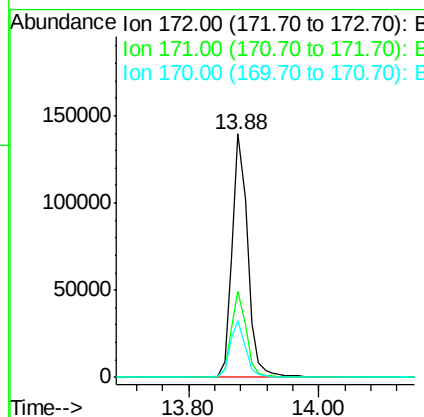
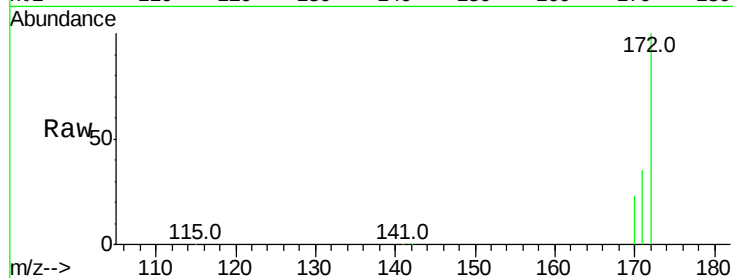
#15
2-Fluorobiphenyl
Concen: 3.78 ng
RT: 13.88 min Scan# 788
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	26.1	39.1
170	23.1	15.7	23.5

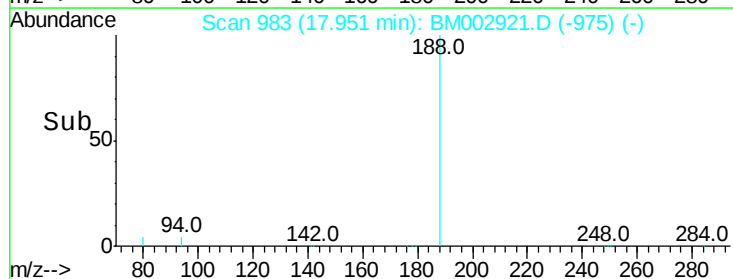
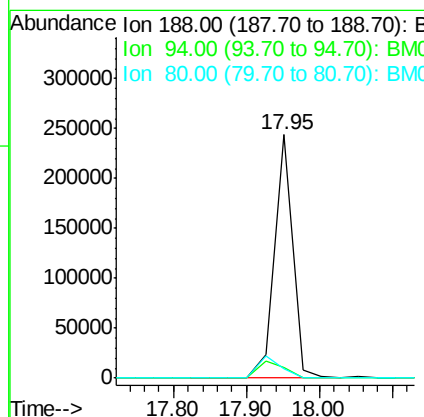
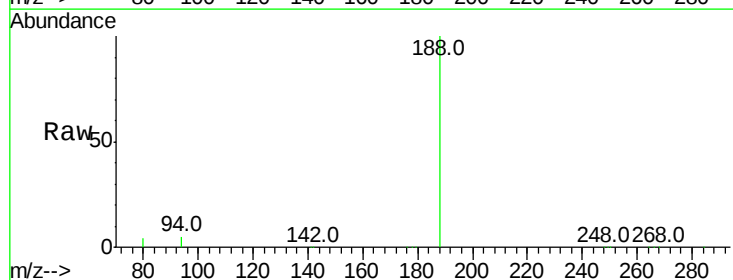
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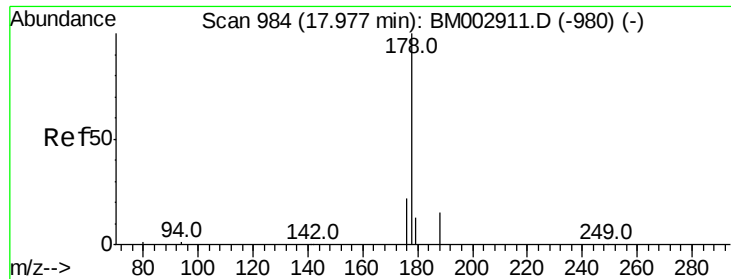
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#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	15.2	22.8#
80	3.9	15.9	23.9#





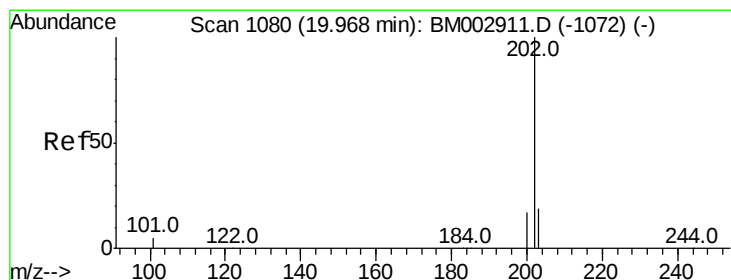
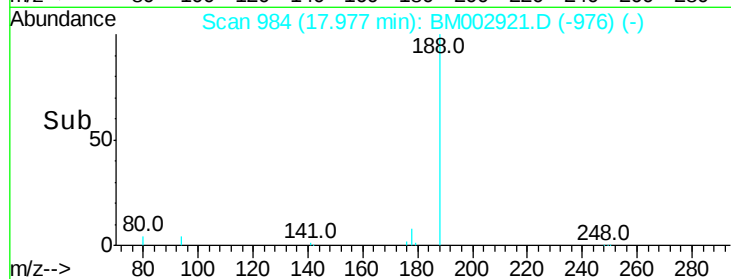
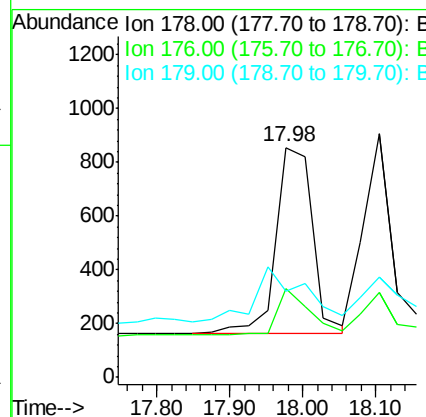
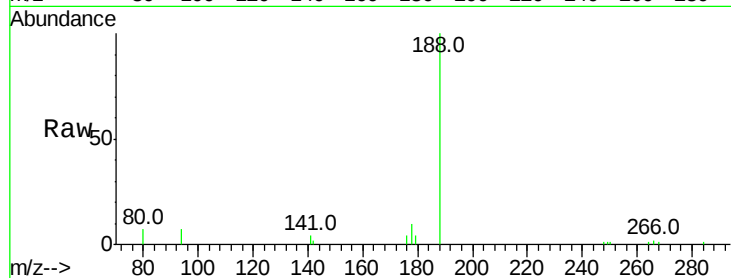
#23
Phenanthrene
Concen: 0.02 ng
RT: 17.98 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.3	14.6	21.8#
179	0.0	12.5	18.7#

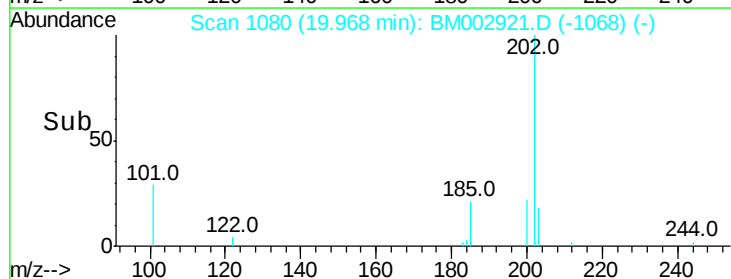
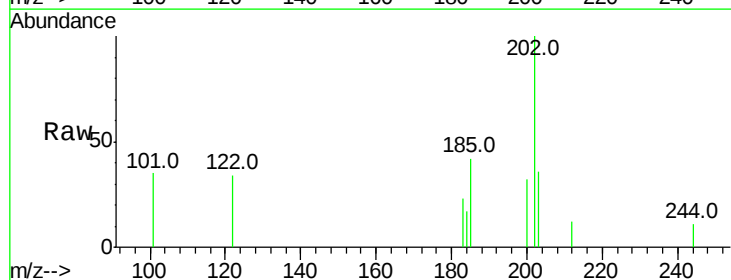
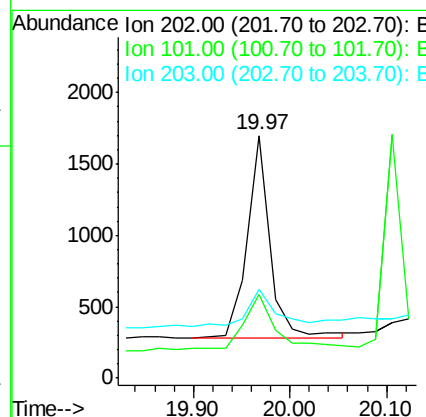
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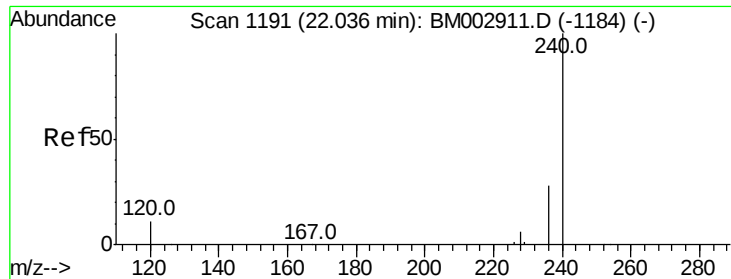
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#25
Fluoranthene
Concen: 0.02 ng
RT: 19.97 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	52.1	11.0	16.6#
203	28.5	13.8	20.6#





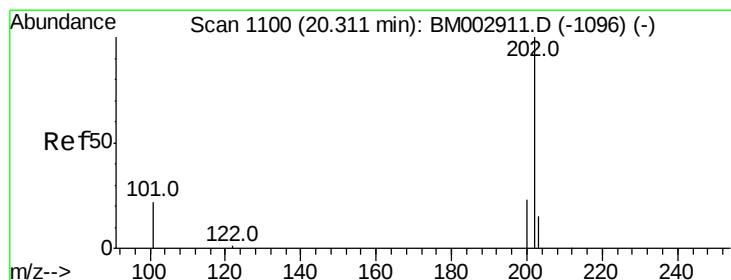
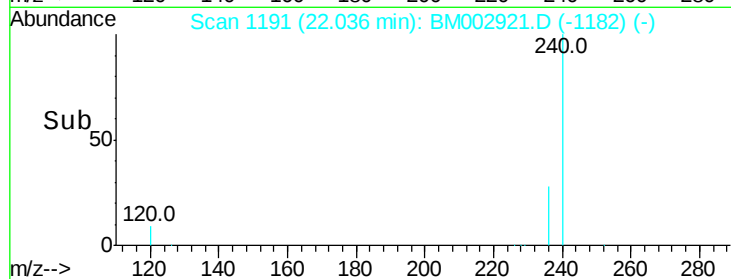
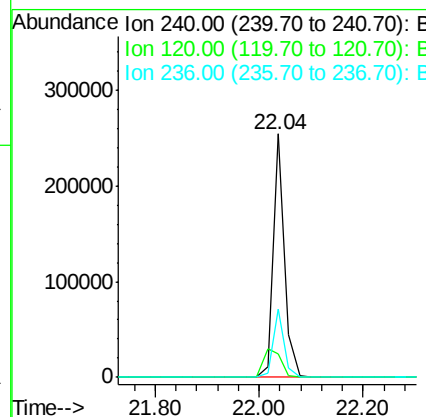
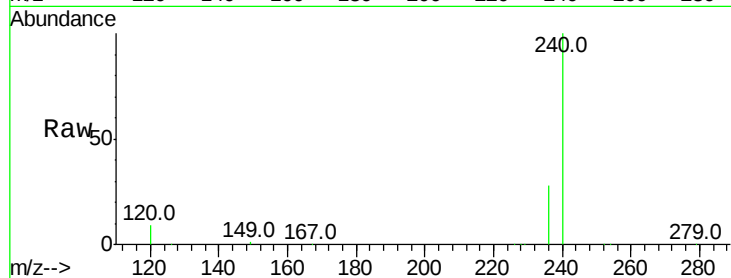
#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	3.3	4.9#
236	27.9	19.5	29.3

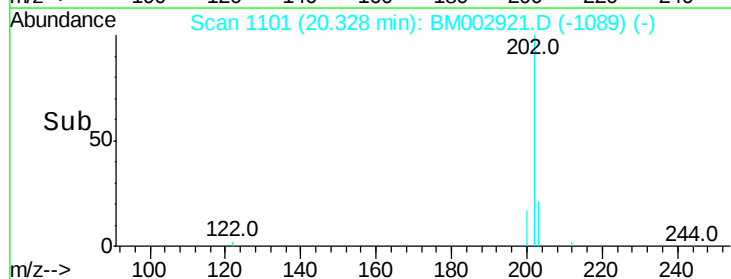
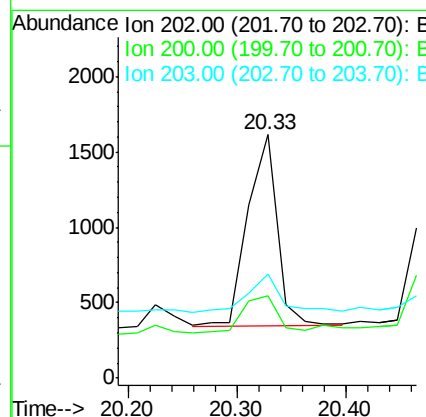
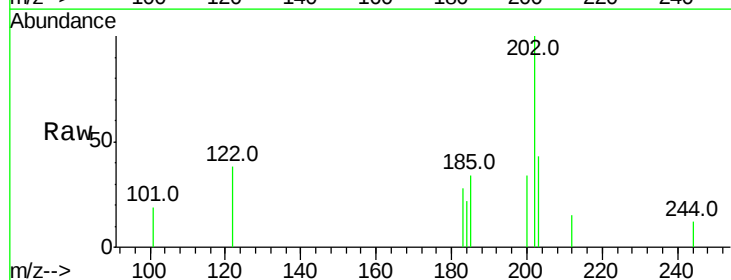
Manual Integrations
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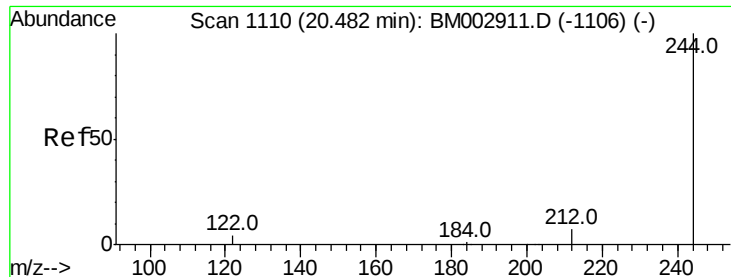
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#28
Pyrene
Concen: 0.02 ng
RT: 20.33 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	16.2	24.4
203	24.6	13.8	20.8#





#29

Terphenyl-d14

Concen: 4.11 ng

RT: 20.48 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Instrument :

BNA_M

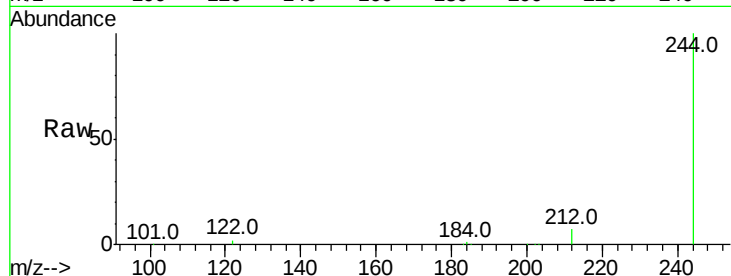
ClientSampleId :

RAV-GT-106

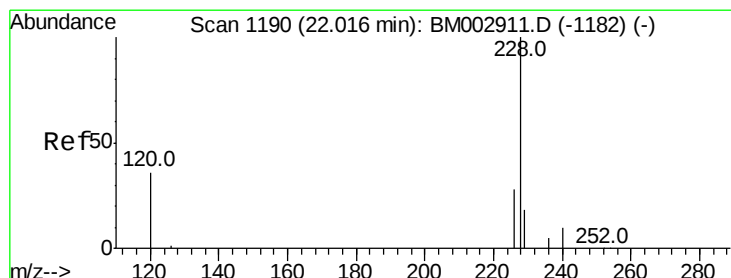
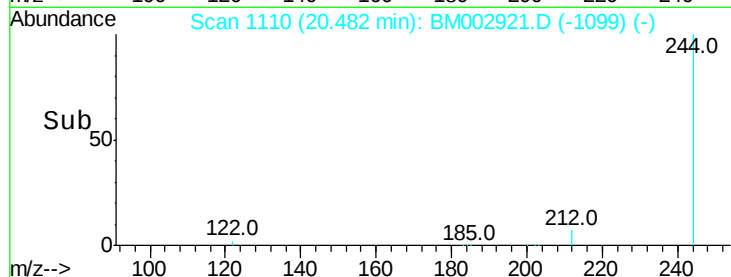
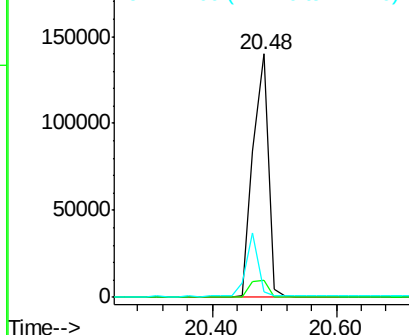
Tot Ion:	244	Resp:	237315
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.6	8.4
122	2.1	2.2	3.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.02 ng m

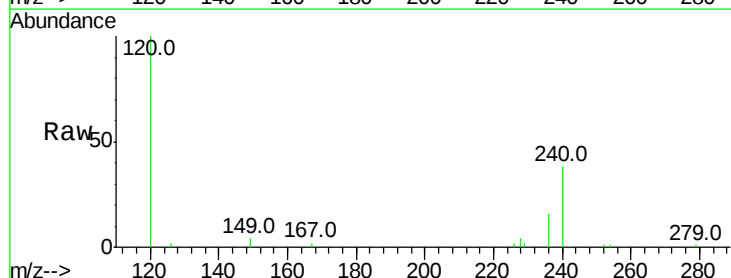
RT: 22.02 min Scan# 1190

Delta R.T. -0.01 min

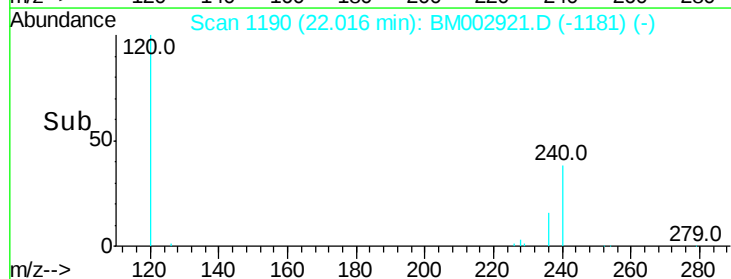
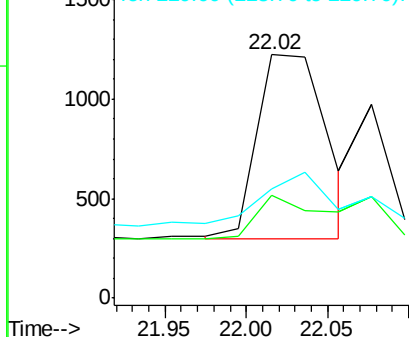
Lab File: BM002921.D

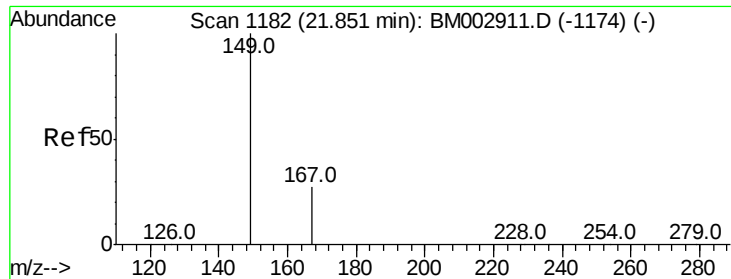
Acq: 15 Oct 2015 19:21

Tgt Ion:	228	Resp:	2756
Ion Ratio	Lower	Upper	
228	100		
226	42.4	19.0	28.6
229	44.9	16.8	25.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





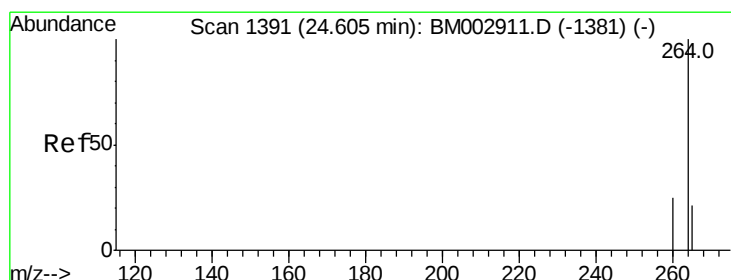
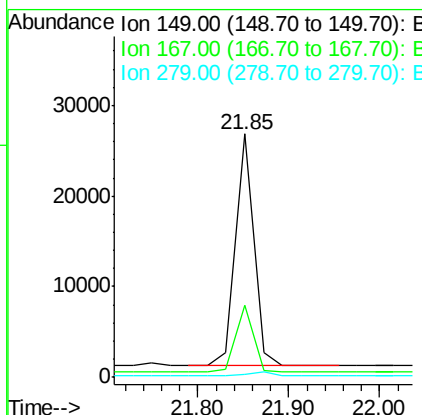
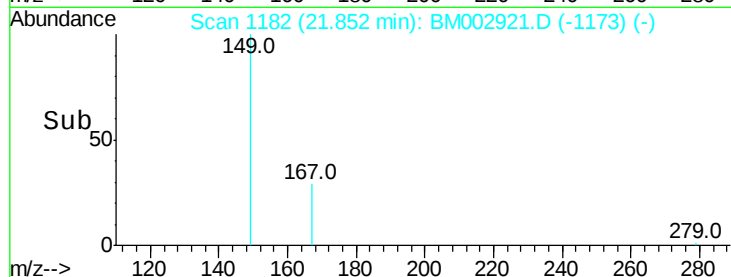
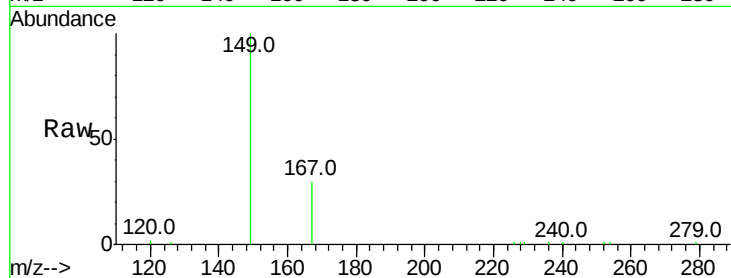
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.69 ng
RT: 21.85 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Instrument :
BNA_M
ClientSampleId :
RAV-GT-106

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.7	17.2	25.8#
279	0.0	2.2	3.4#

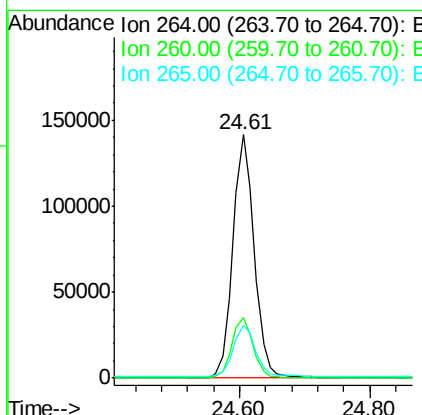
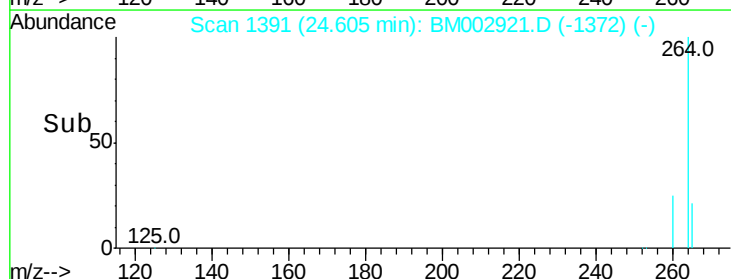
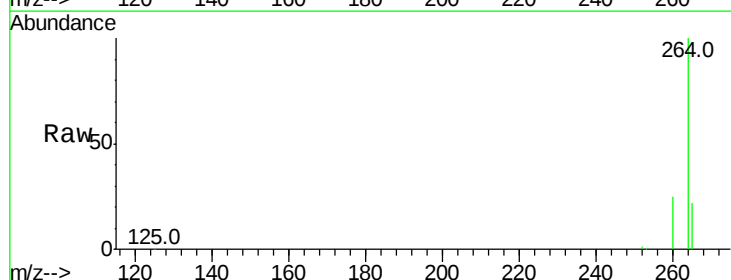
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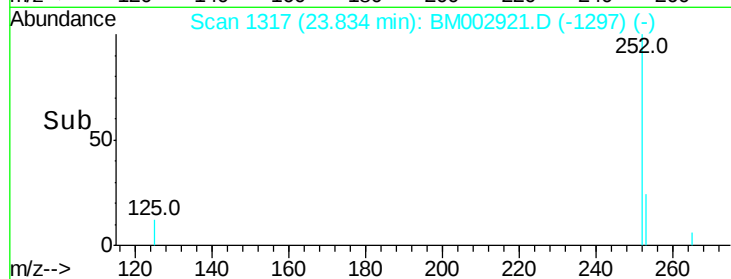
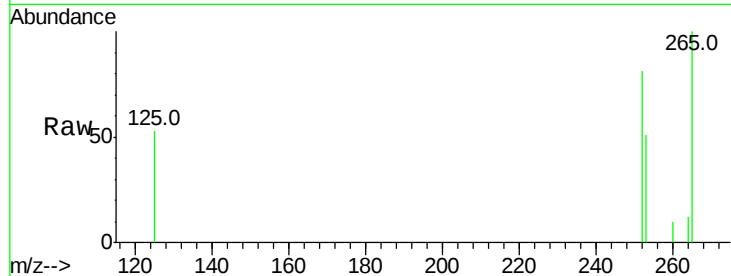
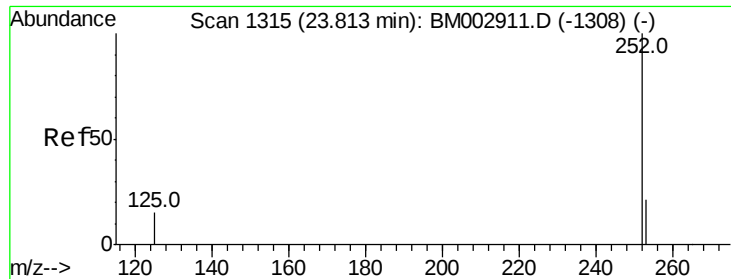
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#35
Perylene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM002921.D
Acq: 15 Oct 2015 19:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.0	17.6	26.4





#36

Benzo(b)fluoranthene

Concen: 0.02 ng m

RT: 23.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM002921.D

Acq: 15 Oct 2015 19:21

Tot Ion	Ratio	Lower	Upper
252	100		
253	63.6	17.5	26.3#
125	66.2	12.4	18.6#

Instrument :

BNA_M

ClientSampleId :

RAV-GT-106

Manual Integrations
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