

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052015\
 Data File : BM001358.D
 Acq On : 21 May 2015 13:21
 Operator : TP/IZ
 Sample : PB83498BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83498BS

Manual Integrations
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Quant Time: May 21 15:31:48 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM052015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 11:08:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9467	5.00	ng	0.00
6) Naphthalene-d8	10.20	136	40636	5.00	ng	0.00
12) Acenaphthene-d10	14.11	164	25752	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	53542	5.00	ng	0.00
25) Chrysene-d12	21.07	240	56554	5.00	ng	0.00
32) Perylene-d12	23.17	264	52664	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	22975	12.49	ng	0.00
5) Phenol-d6	6.61	99	32177	14.06	ng	0.00
7) Nitrobenzene-d5	8.59	82	21810	9.95	ng	0.00
13) 2,4,6-Tribromophenol	15.60	330	16455	15.32	ng	0.00
14) 2-Fluorobiphenyl	12.72	172	68093	8.87	ng	0.00
27) Terphenyl-d14	19.50	244	65731	8.84	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.89	88	6324	9.13	ng	# 85
3) n-Nitrosodimethylamine	3.21	42	9903	9.27	ng	# 92
8) Nitrobenzene	8.63	77	23755	8.66	ng	98
9) Naphthalene	10.25	128	71775	8.28	ng	99
10) Hexachlorobutadiene	10.54	225	13728	8.18	ng	99
11) 2-Methylnaphthalene	11.89	142	54604	8.86	ng	95
15) Acenaphthylene	13.82	152	98469	9.09	ng	100
16) Acenaphthene	14.17	154	57580	8.46	ng	97
17) Fluorene	15.15	166	39429	7.24	ng	# 96
19) 4-Bromophenyl-phenylether	16.04	248	29363	10.20	ng	# 88
20) Hexachlorobenzene	16.17	284	32481	8.22	ng	# 99
21) Pentachlorophenol	16.51	266	297863	128.00	ng	95
22) Phenanthrene	16.89	178	166659m	8.85	ng	
23) Anthracene	16.99	178	60292m	8.27	ng	
24) Fluoranthene	18.92	202	148495	9.21	ng	100
26) Pyrene	19.29	202	160944	9.31	ng	100
28) Benzo(a)anthracene	21.04	228	145654	9.00	ng	99
29) Chrysene	21.10	228	139600	9.01	ng	99
30) Bis(2-ethylhexyl)phthalate	20.99	149	94869	9.26	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	143613	8.61	ng	99
33) Benzo(b)fluoranthene	22.54	252	146008	9.00	ng	98
34) Benzo(k)fluoranthene	22.58	252	131277	9.19	ng	98
35) Benzo(a)pyrene	23.07	252	133712	9.69	ng	97
36) Dibenzo(a,h)anthracene	25.26	278	115290	9.09	ng	96
37) Benzo(g,h,i)perylene	25.88	276	118226	8.68	ng	97

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

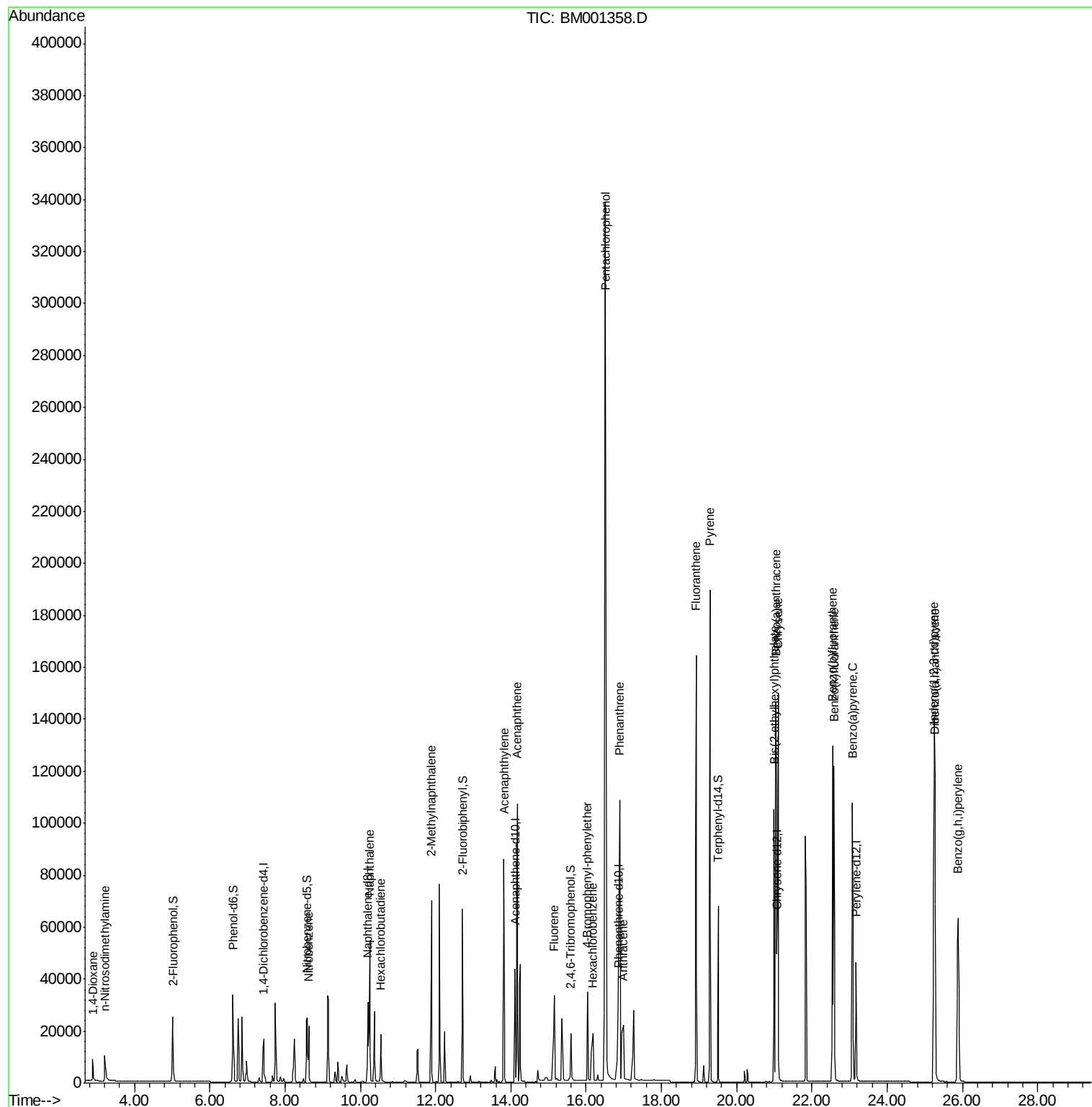
Data Path : Z:\HPCHEM1\BNA M\DATA\BM052015\
Data File : BM001358.D
Acq On : 21 May 2015 13:21
Operator : TP/IZ
Sample : PB83498BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

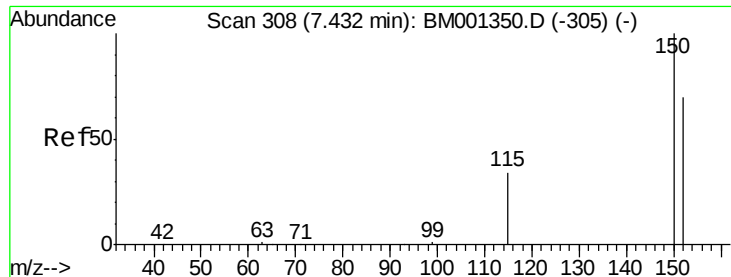
Instrument :
BNA_M
ClientSampleId :
PB83498BS

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QLast Update : Thu May 21 11:08:14 2015
Response via : Initial Calibration





#1

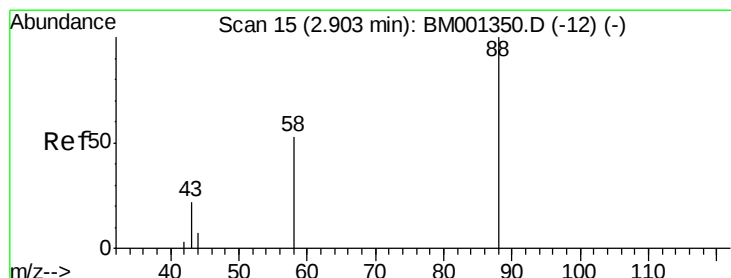
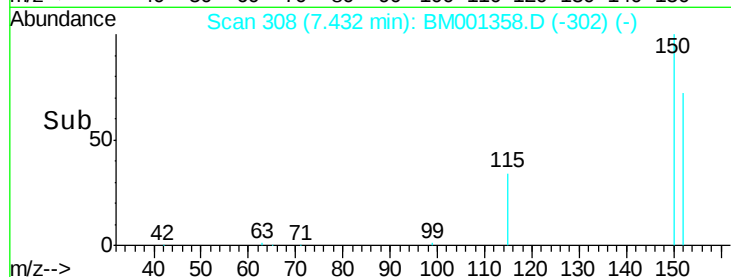
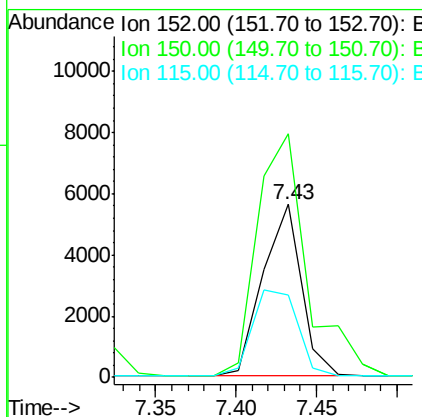
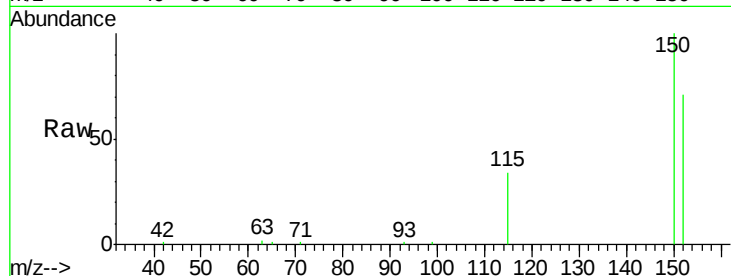
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.43 min Scan# 308
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.8	114.1	171.1
115	47.5	39.2	58.8

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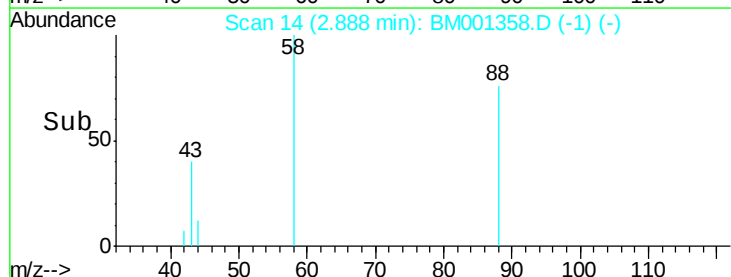
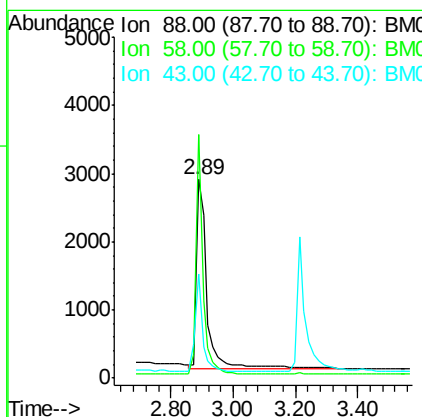
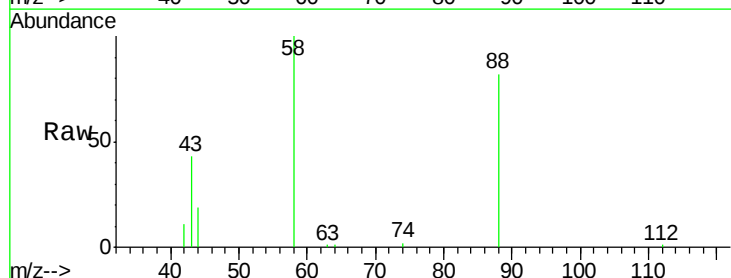
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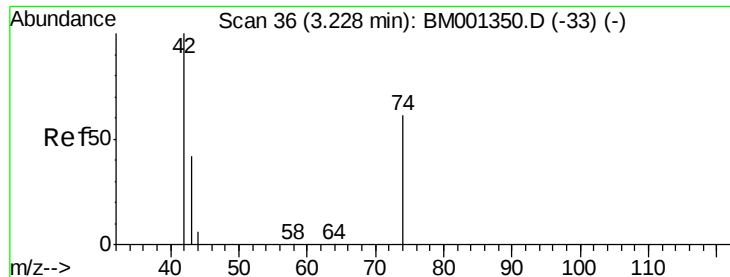


#2

1,4-Dioxane
Concen: 9.13 ng
RT: 2.89 min Scan# 14
Delta R.T. -0.01 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.1	53.1	79.7#
43	37.5	27.8	41.8





#3

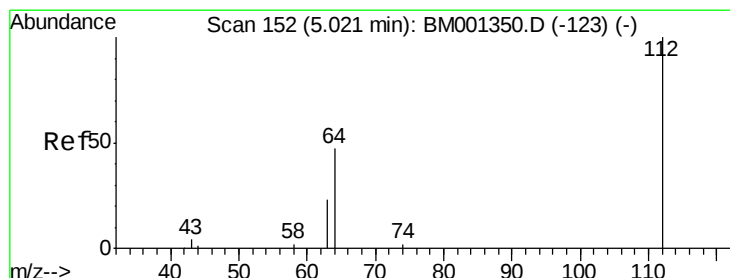
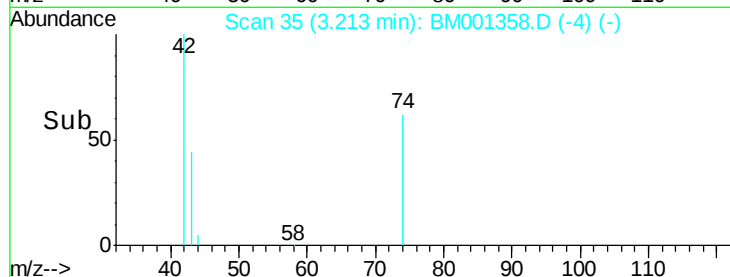
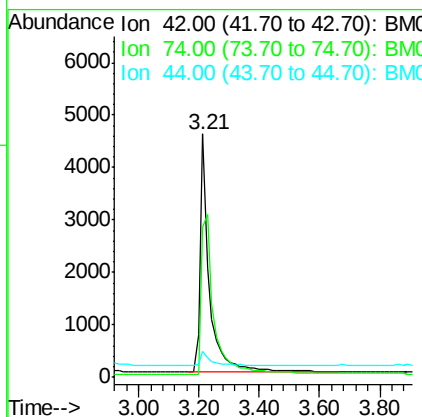
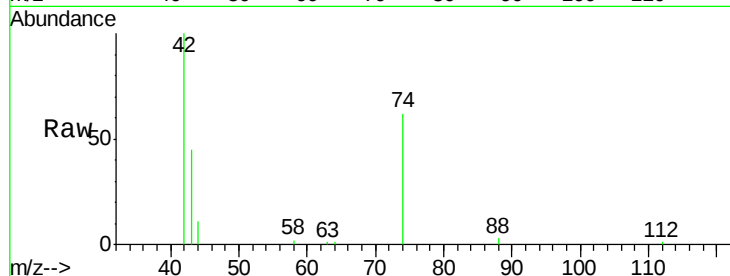
n-Nitrosodimethylamine
Concen: 9.27 ng
RT: 3.21 min Scan# 35
Delta R.T. -0.02 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
42	100		
74	95.2	70.0	105.0
44	5.5	3.6	5.4#

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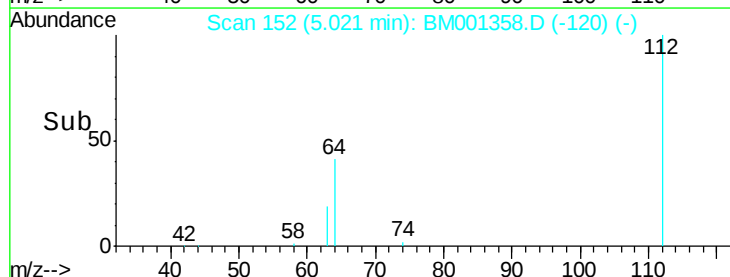
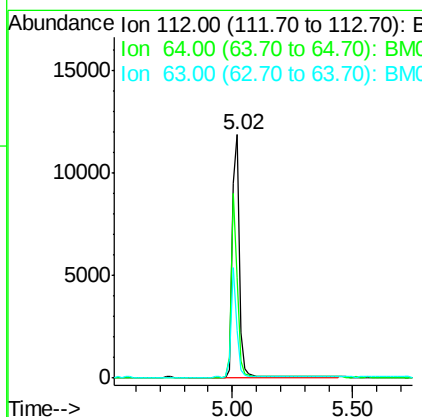
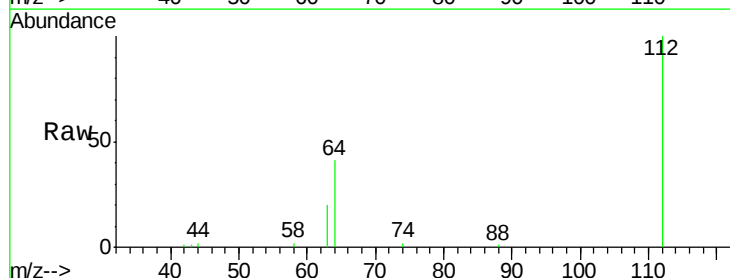
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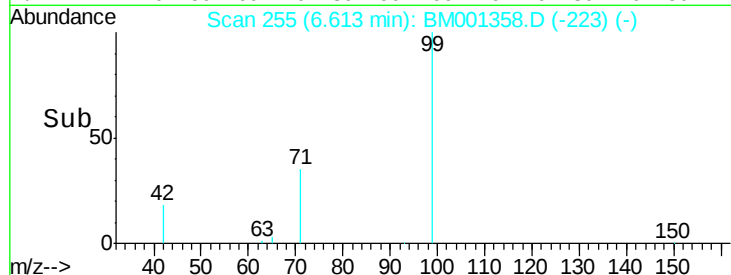
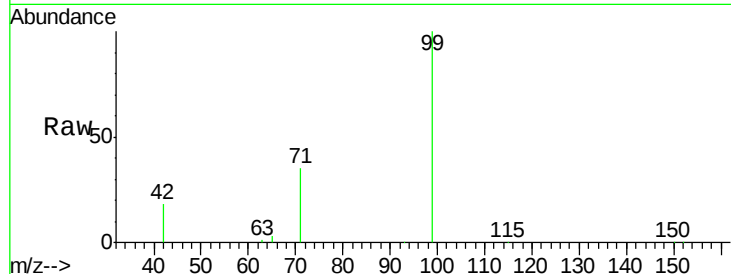
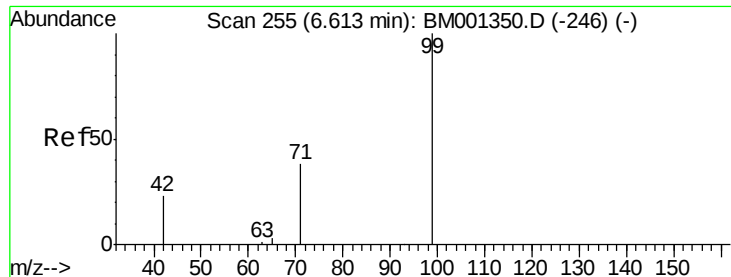


#4

2-Fluorophenol
Concen: 12.49 ng
RT: 5.02 min Scan# 152
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	52.9	79.3
63	36.8	29.6	44.4





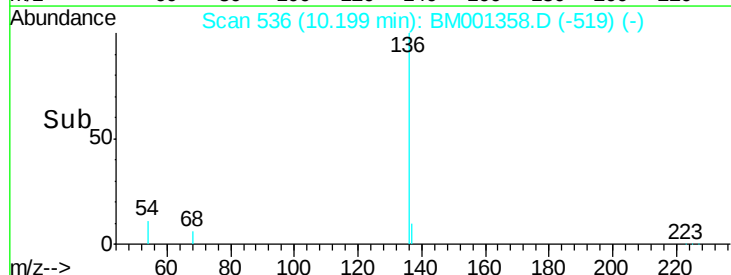
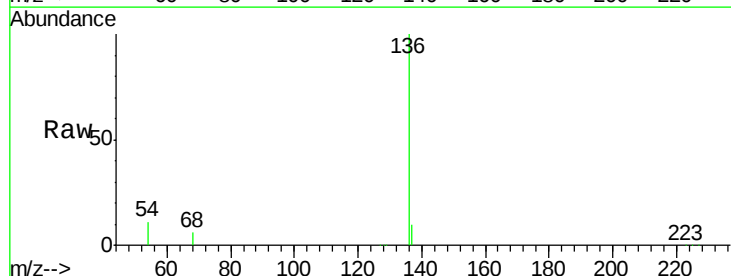
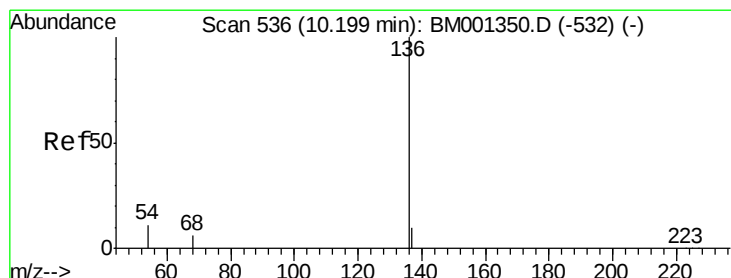
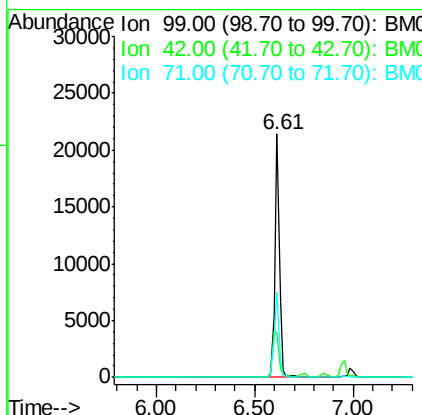
#5
Phenol-d6
Concen: 14.06 ng
RT: 6.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tot Ion:	99	Resp:	32177
Ion Ratio	Lower	Upper	
99	100		
42	26.2	21.4	32.2
71	36.5	29.0	43.4

Instrument :
BNA_M
ClientSampleId :
PB83498BS

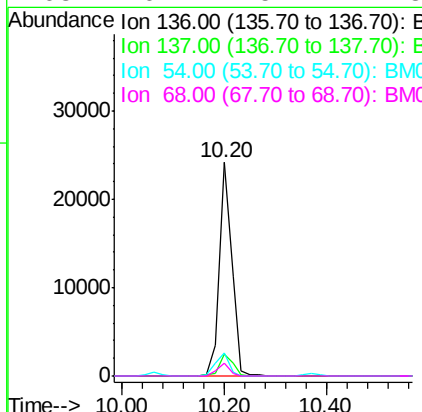
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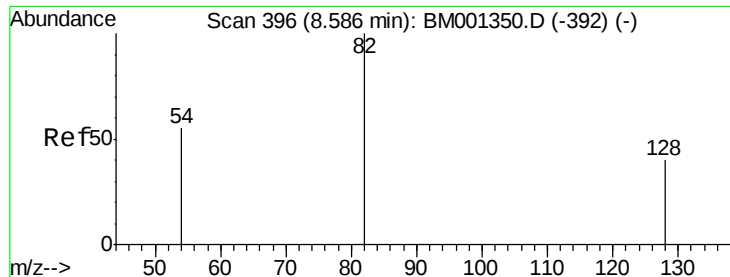
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#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.20 min Scan# 536
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion:	136	Resp:	40636
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.4
54	10.9	9.4	14.0
68	6.1	5.2	7.8





#7

Nitrobenzene-d5

Concen: 9.95 ng

RT: 8.59 min Scan# 396

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

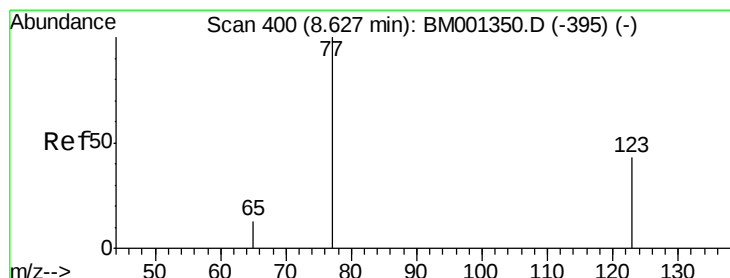
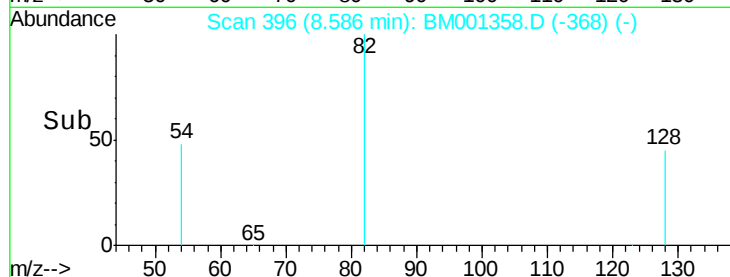
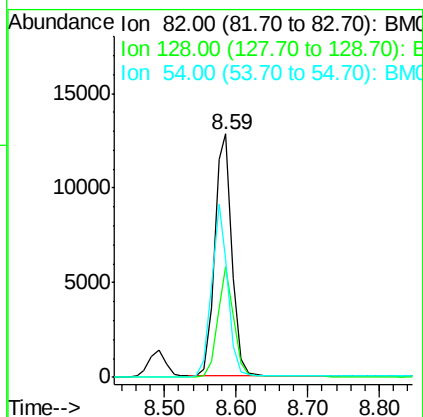
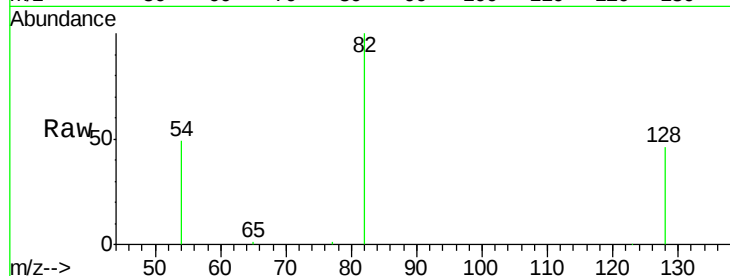
ClientSampleId :

PB83498BS

Tot Ion:	82	Resp:	21810
Ion Ratio	Lower	Upper	
82	100		
128	45.6	33.5	50.3
54	48.6	45.1	67.7

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#8

Nitrobenzene

Concen: 8.66 ng

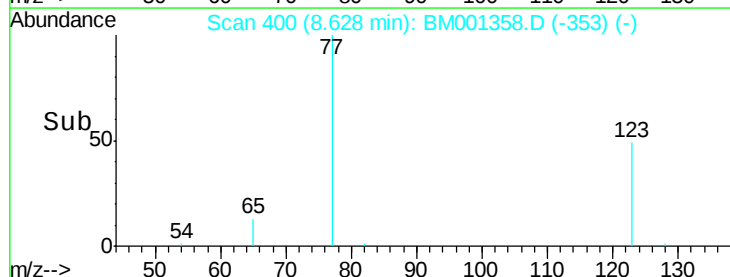
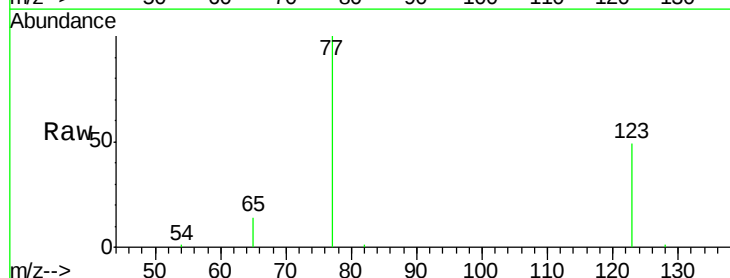
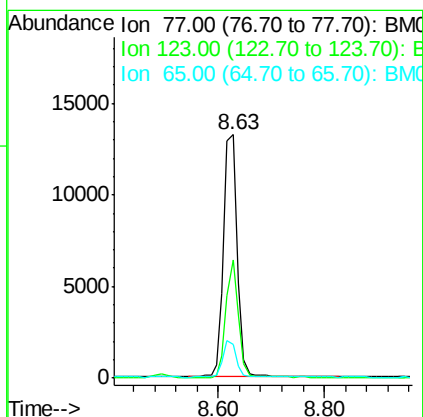
RT: 8.63 min Scan# 400

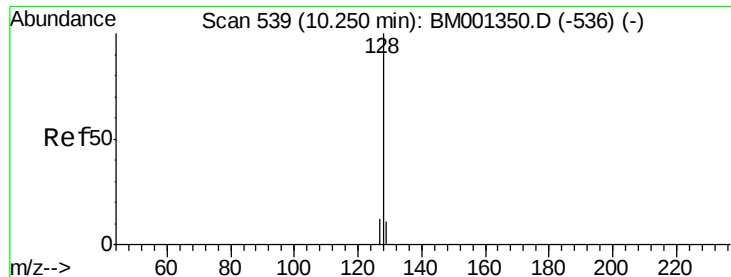
Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Tgt Ion:	77	Resp:	23755
Ion Ratio	Lower	Upper	
77	100		
123	43.5	33.6	50.4
65	14.7	11.3	16.9





#9

Naphthalene

Concen: 8.28 ng

RT: 10.25 min Scan# 539

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

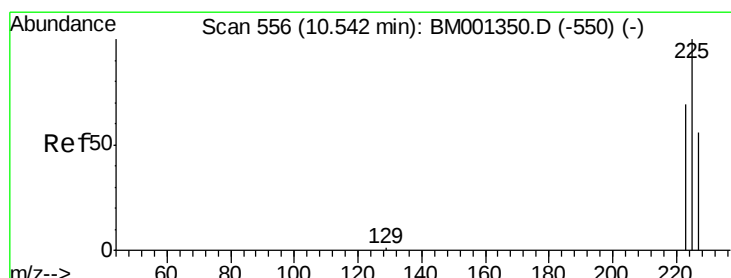
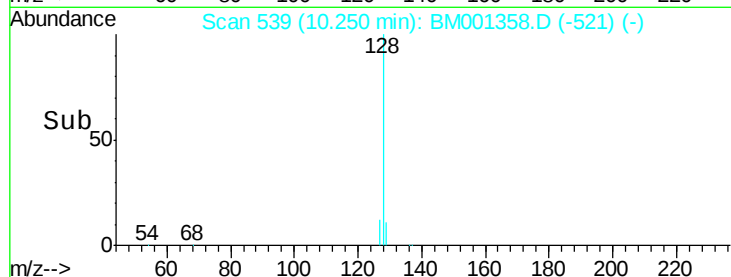
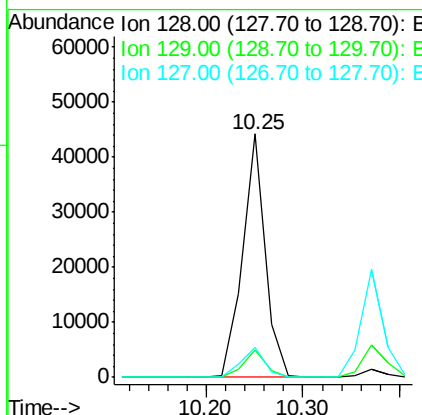
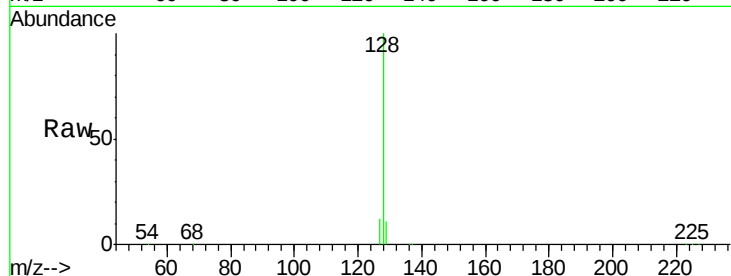
ClientSampleId :

PB83498BS

Tot Ion:	128	Resp:	71775
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.1	13.7
127	12.3	10.4	15.6

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#10

Hexachlorobutadiene

Concen: 8.18 ng

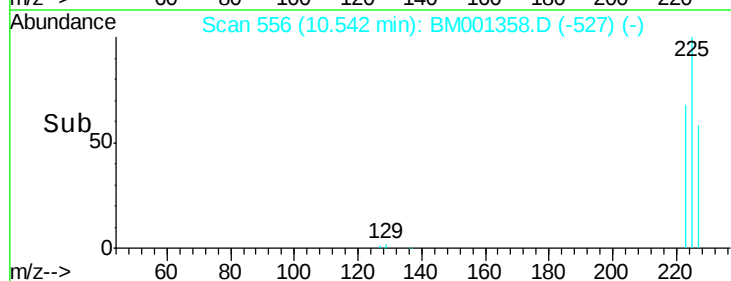
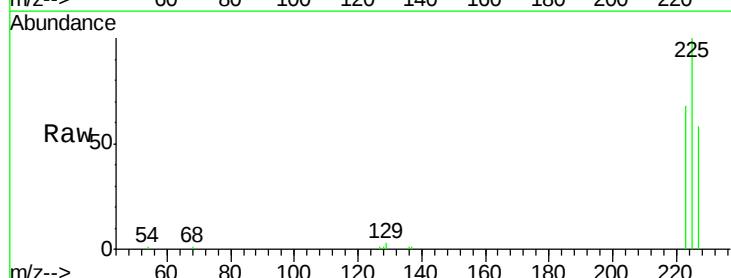
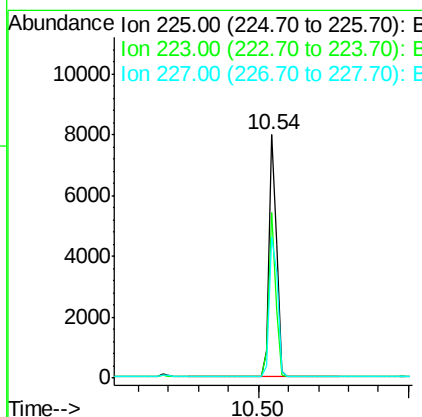
RT: 10.54 min Scan# 556

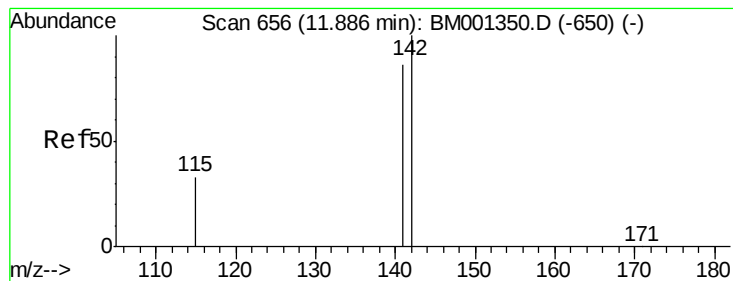
Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Tgt Ion:	225	Resp:	13728
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.3	75.5
227	64.1	50.6	75.8





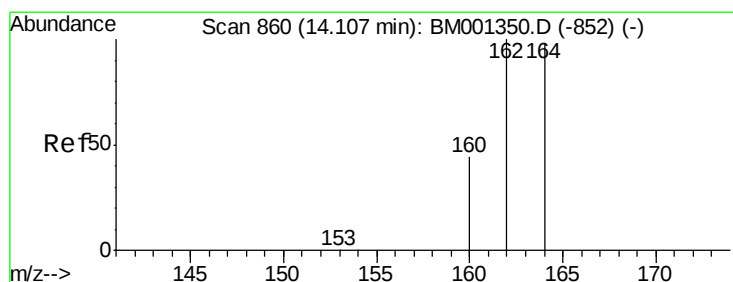
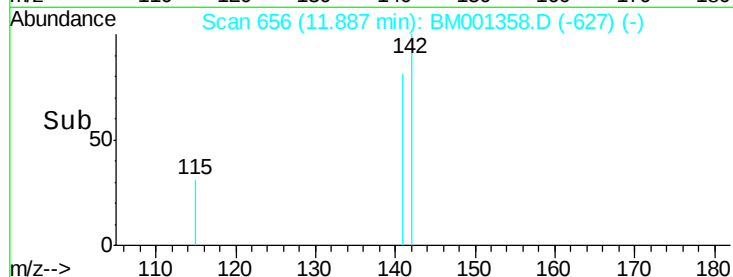
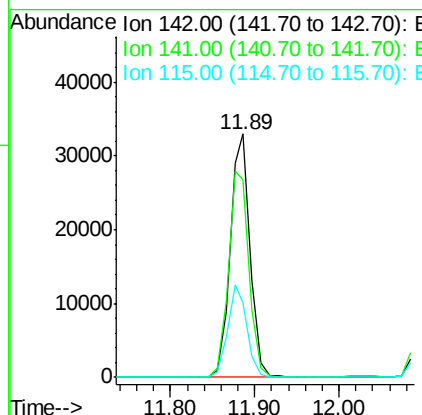
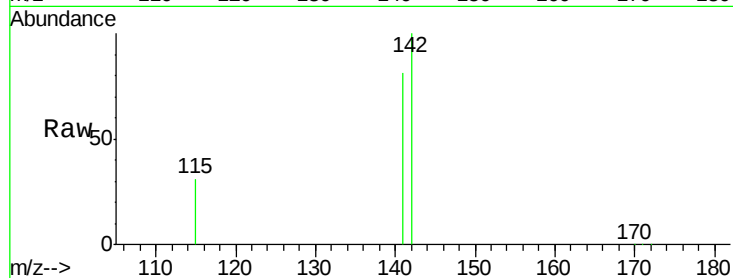
#11
2-Methylnaphthalene
Concen: 8.86 ng
RT: 11.89 min Scan# 656
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.4	69.0	103.4
115	30.7	27.1	40.7

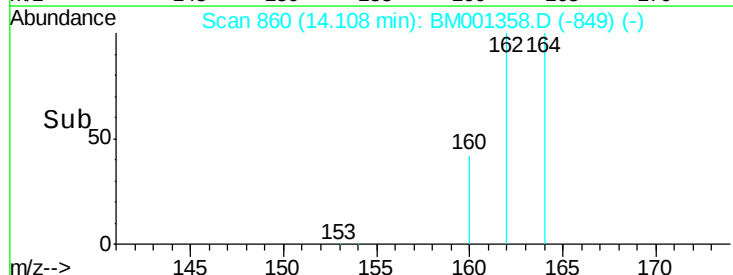
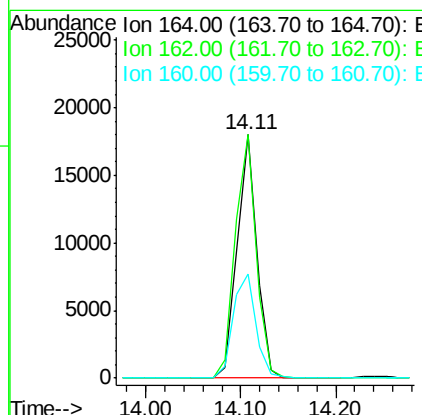
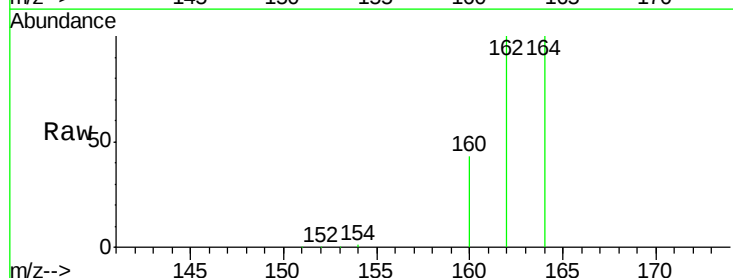
Manual Integrations
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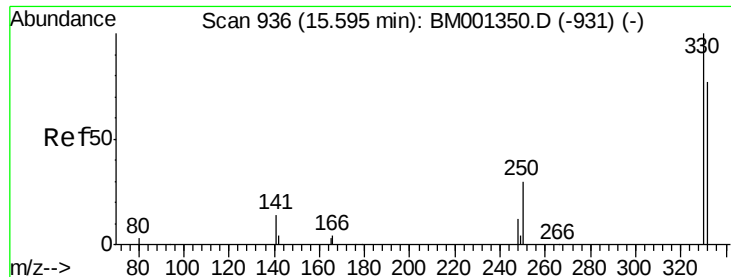
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.11 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	42.6	35.8	53.8





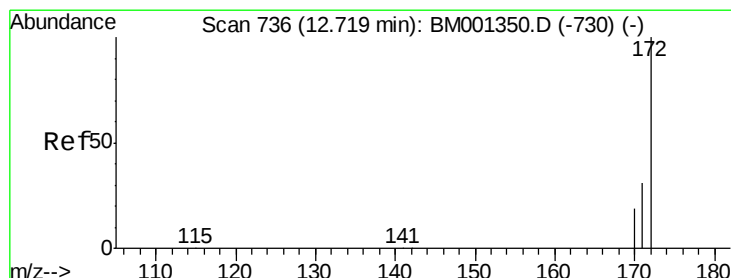
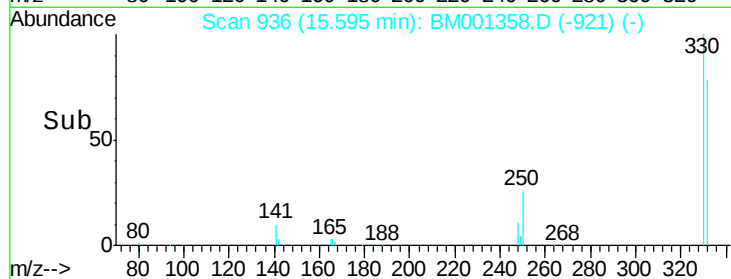
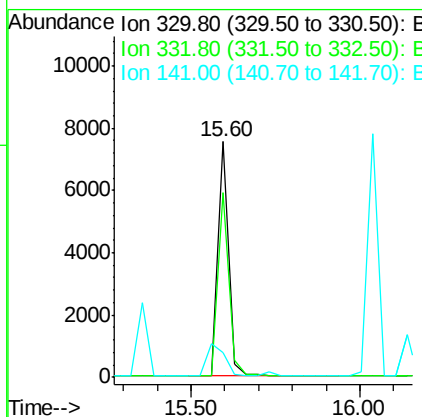
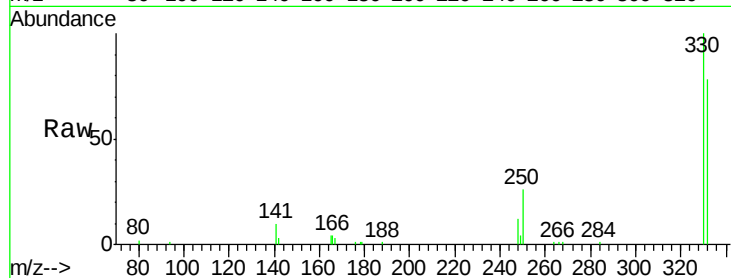
#13
 2,4,6-Tribromophenol
 Concen: 15.32 ng
 RT: 15.60 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Instrument :
 BNA_M
 ClientSampleId :
 PB83498BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	16455		
332	80.9	65.4	98.2	
141	0.0	20.2	30.4	

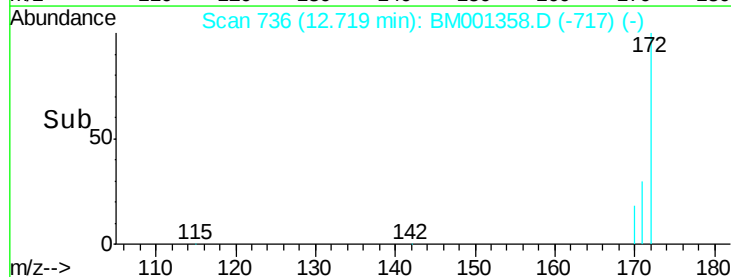
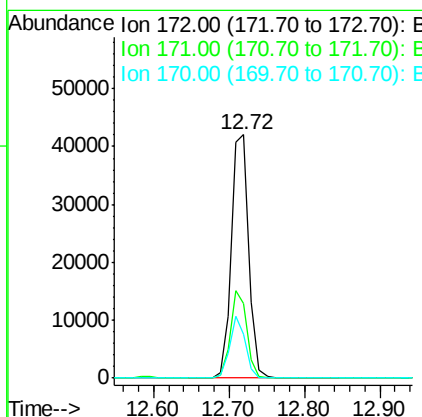
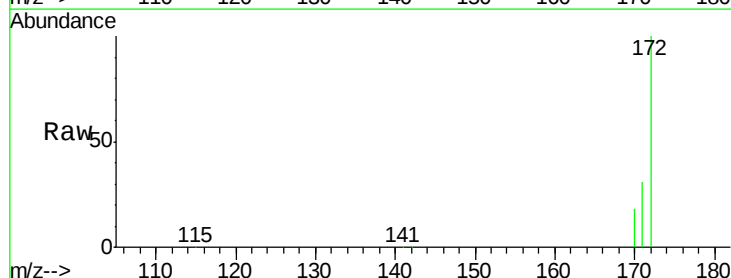
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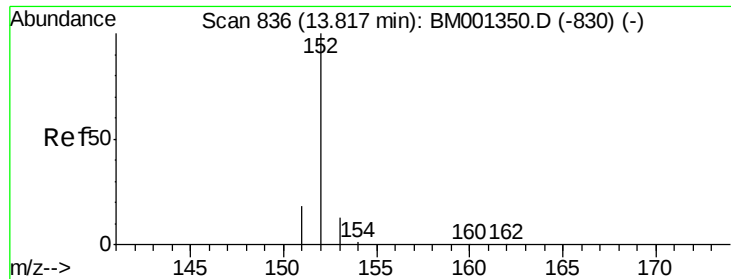
apatel
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#14
 2-Fluorobiphenyl
 Concen: 8.87 ng
 RT: 12.72 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	68093		
171	30.9	25.4	38.2	
170	18.2	15.7	23.5	





#15

Acenaphthylene

Concen: 9.09 ng

RT: 13.82 min Scan# 836

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

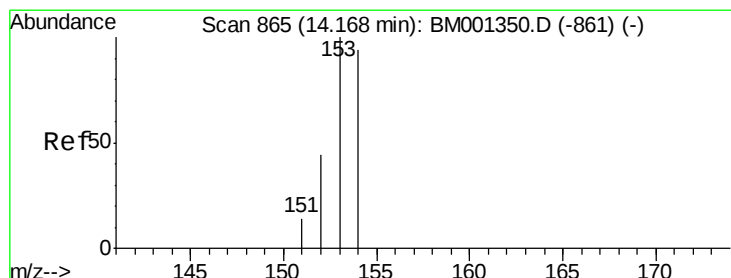
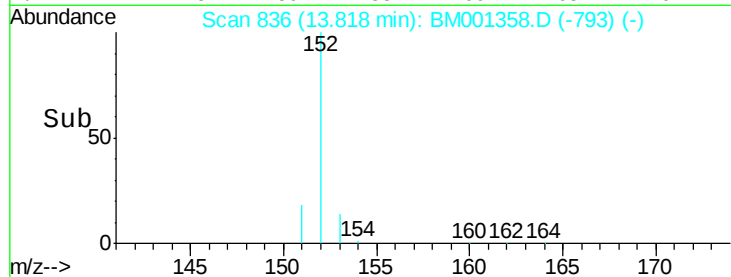
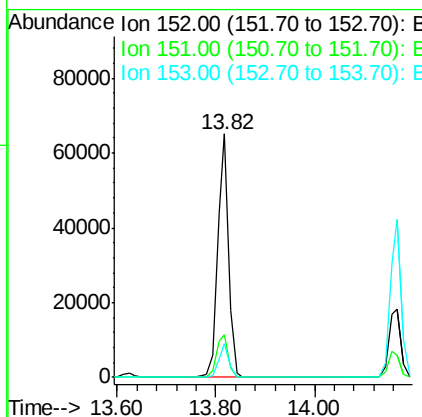
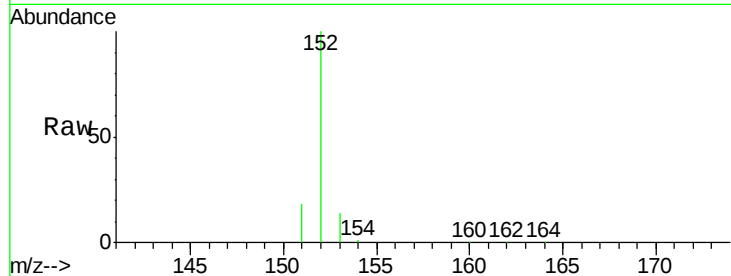
ClientSampleId :

PB83498BS

Tot Ion:	152	Resp:	98469
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.3	22.9
153	12.9	10.3	15.5

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#16

Acenaphthene

Concen: 8.46 ng

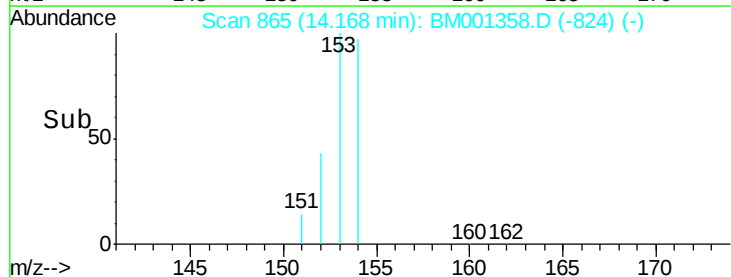
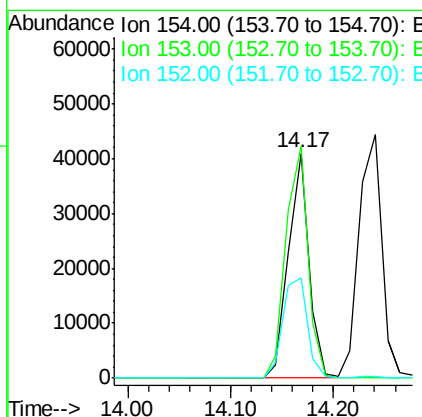
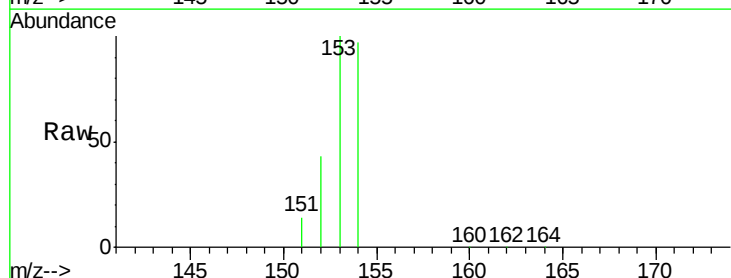
RT: 14.17 min Scan# 865

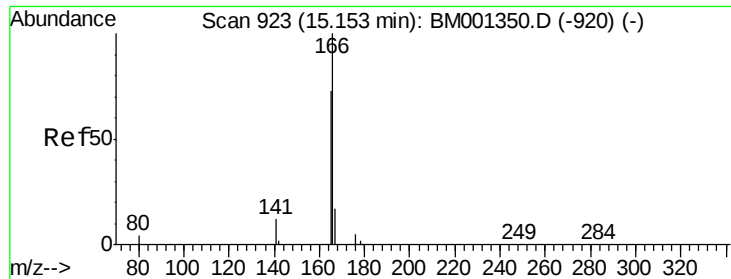
Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Tgt Ion:	154	Resp:	57580
Ion Ratio	Lower	Upper	
154	100		
153	110.3	90.6	135.8
152	52.3	43.6	65.4





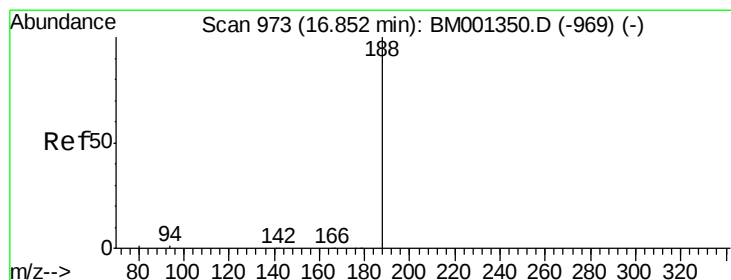
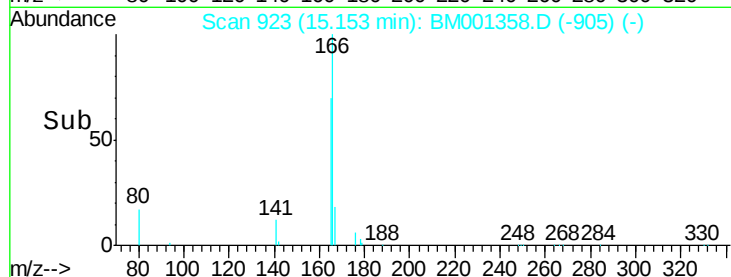
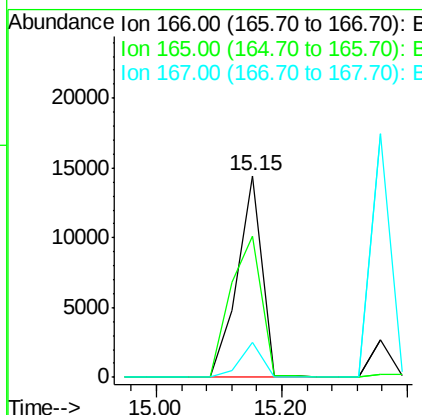
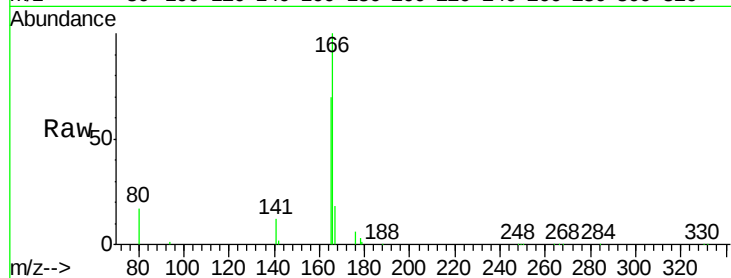
#17
Fluorene
 Concen: 7.24 ng
 RT: 15.15 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Instrument :
 BNA_M
 ClientSampleId :
 PB83498BS

Tot Ion	Ratio	Lower	Upper
166	100		
165	87.9	72.5	108.7
167	15.3	16.0	24.0

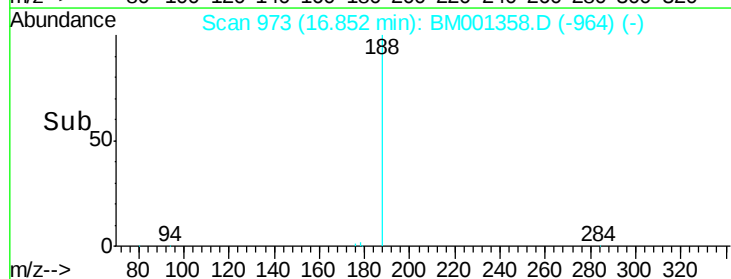
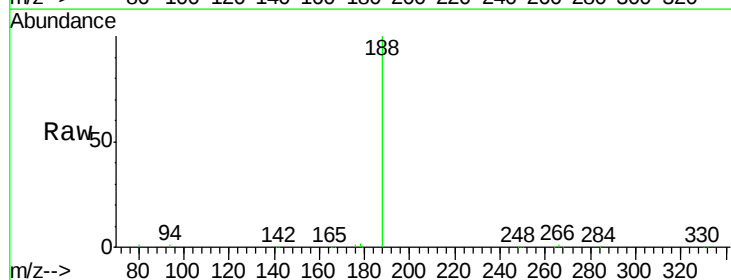
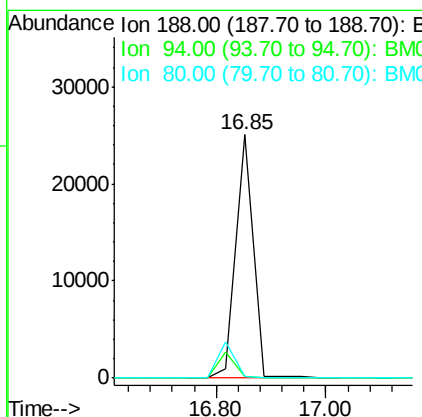
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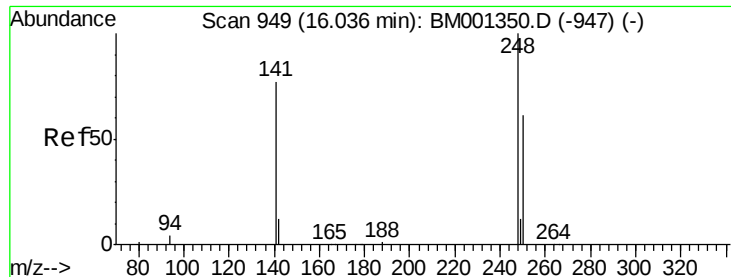
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.85 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.7	0.6	1.0
80	0.6	0.6	0.8





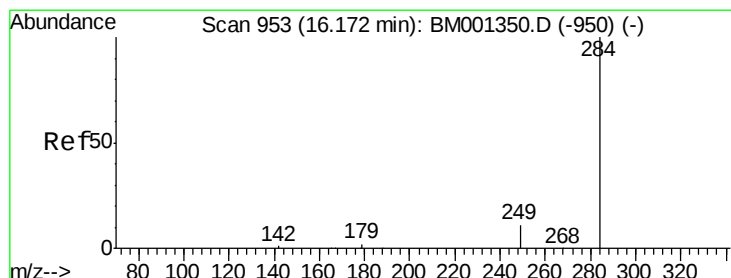
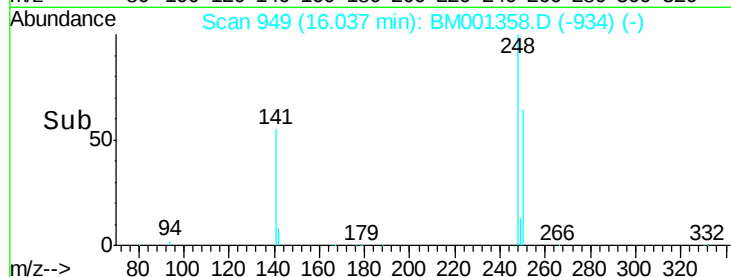
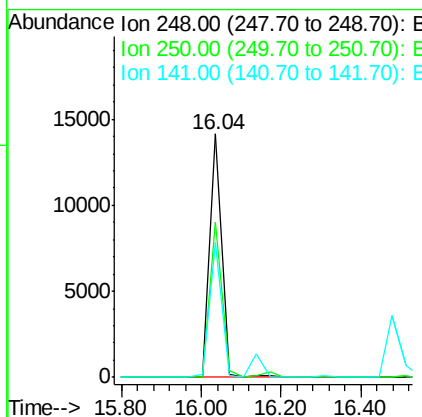
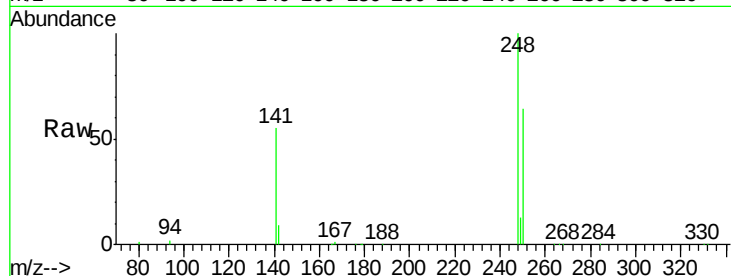
#19
4-Bromophenyl-phenylether
Concen: 10.20 ng
RT: 16.04 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	65.3	51.5	77.3
141	54.9	59.0	88.6

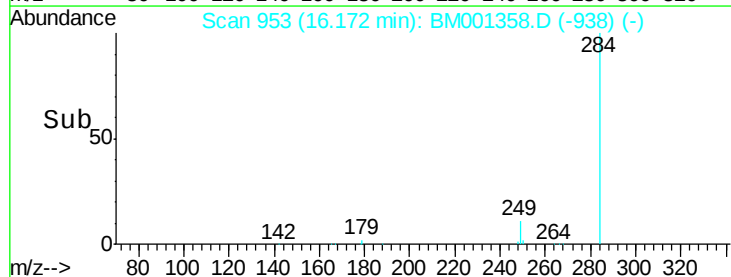
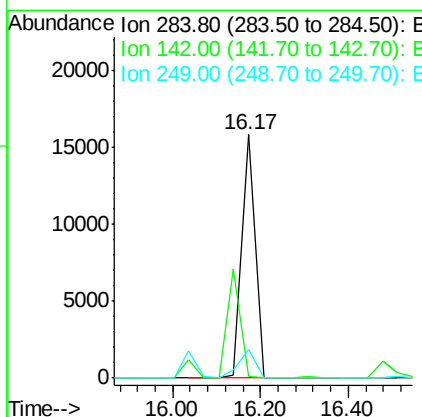
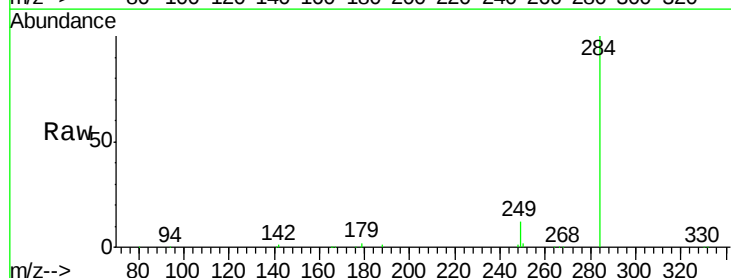
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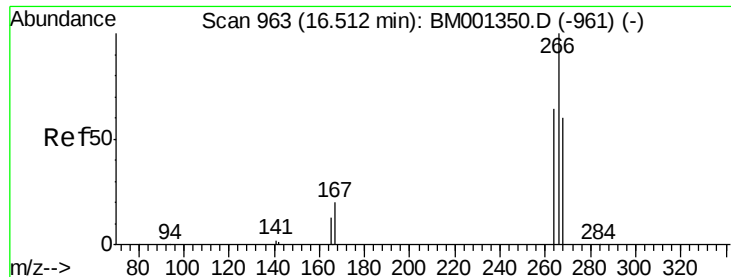
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#20
Hexachlorobenzene
Concen: 8.22 ng
RT: 16.17 min Scan# 953
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	14.5	11.1	16.7





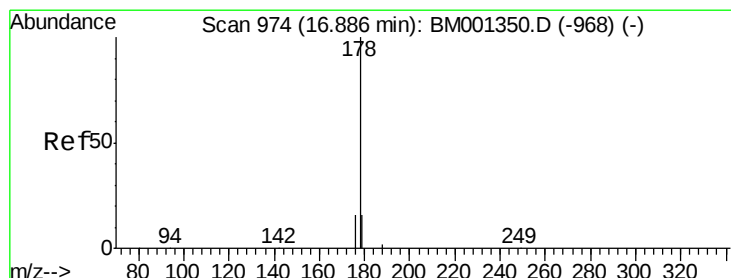
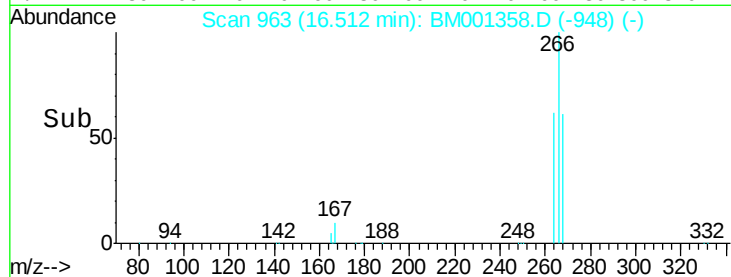
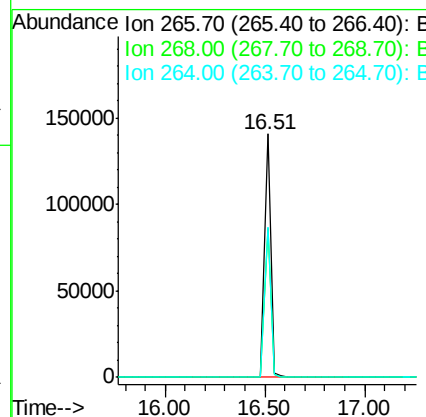
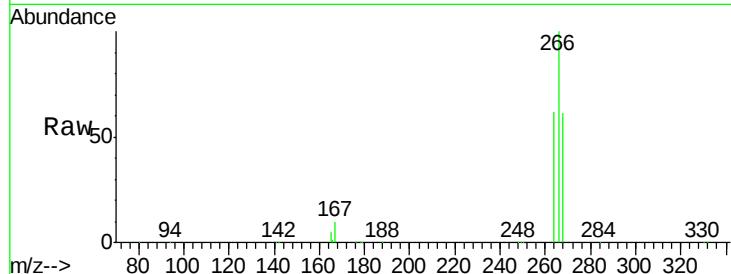
#21
 Pentachlorophenol
 Concen: 128.00 ng
 RT: 16.51 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Instrument :
 BNA_M
 ClientSampleId :
 PB83498BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	297863		
268	61.3	51.2	76.8	
264	61.8	53.7	80.5	

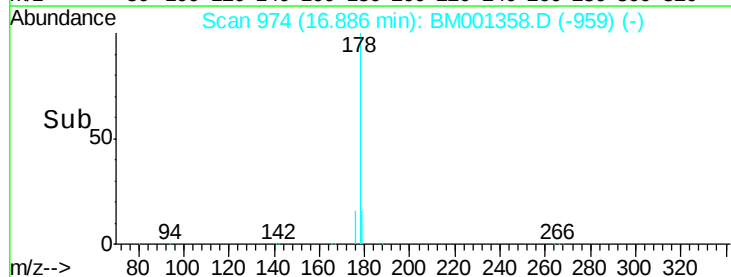
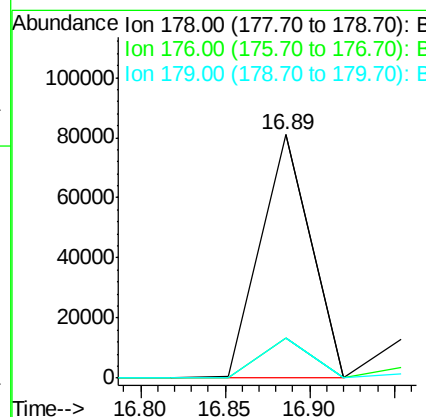
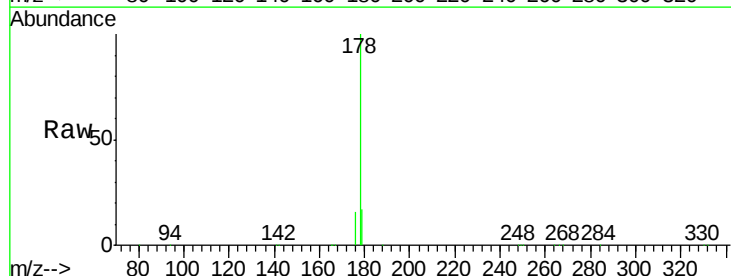
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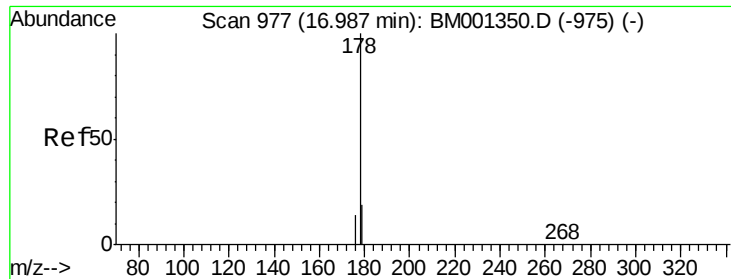
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#22
 Phenanthrene
 Concen: 8.85 ng m
 RT: 16.89 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	166659		
176	23.3	16.6	25.0	
179	18.2	12.8	19.2	





#23

Anthracene

Concen: 8.27 ng/mL

RT: 16.99 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

ClientSampleID :

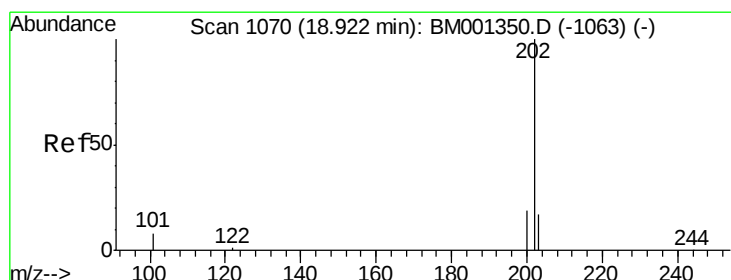
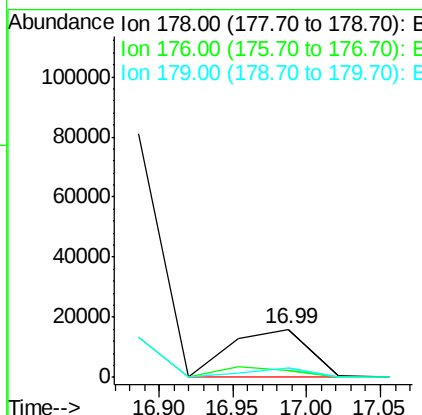
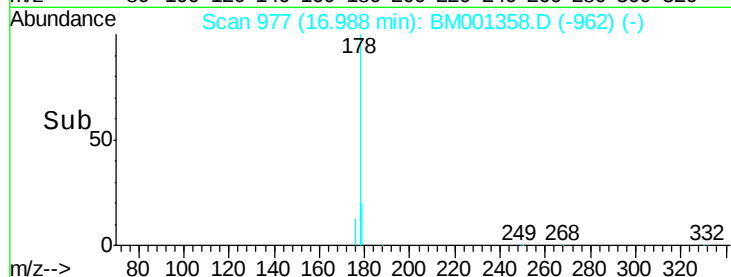
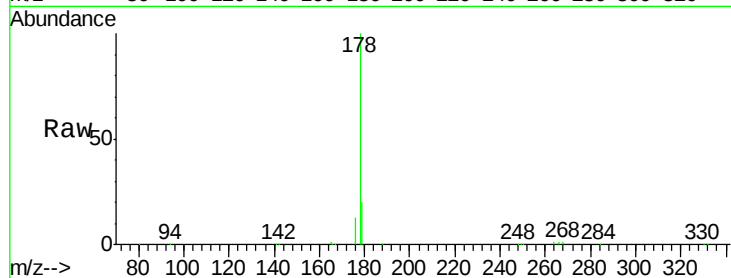
PB83498BS

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Tot Ion:178	Resp:	60292
Ion Ratio	Lower	Upper
178 100		
176 64.5	46.1	69.1
179 50.3	35.4	53.0



#24

Fluoranthene

Concen: 9.21 ng/mL

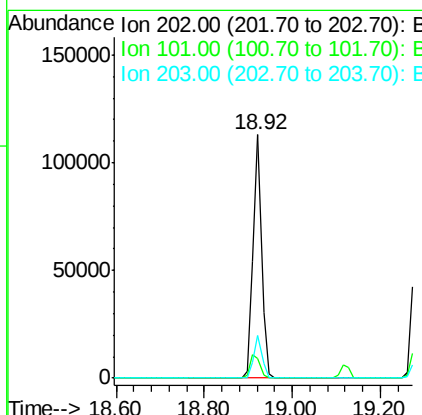
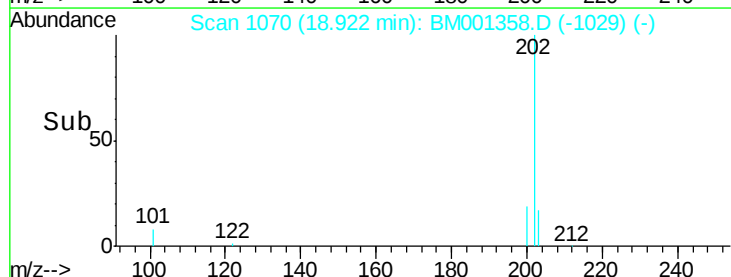
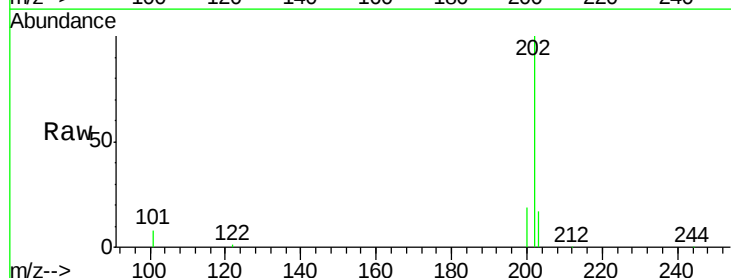
RT: 18.92 min Scan# 1070

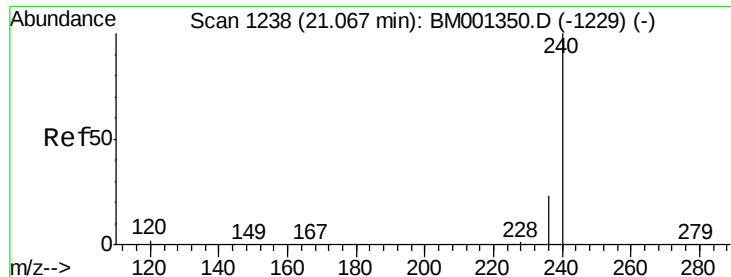
Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Tgt Ion:202	Resp:	148495
Ion Ratio	Lower	Upper
202 100		
101 11.3	8.7	13.1
203 17.2	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

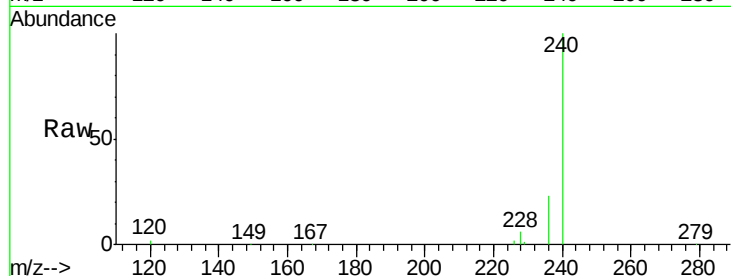
ClientSampleId :

PB83498BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	2.1	1.6	2.4
236	23.2	18.5	27.7

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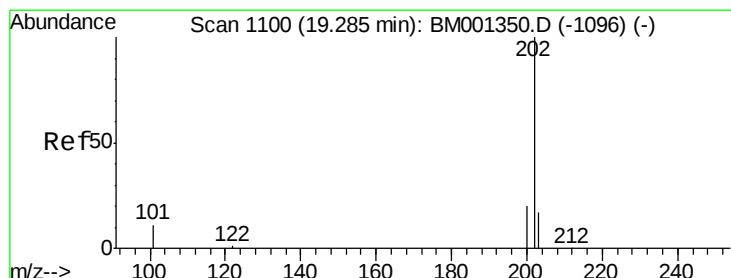
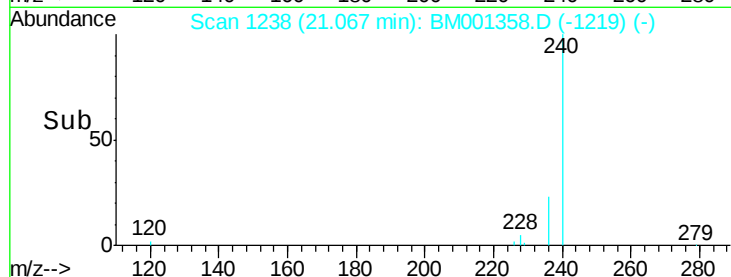
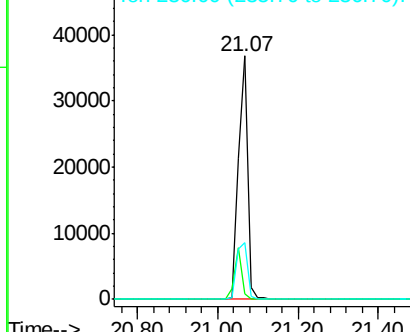
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 9.31 ng

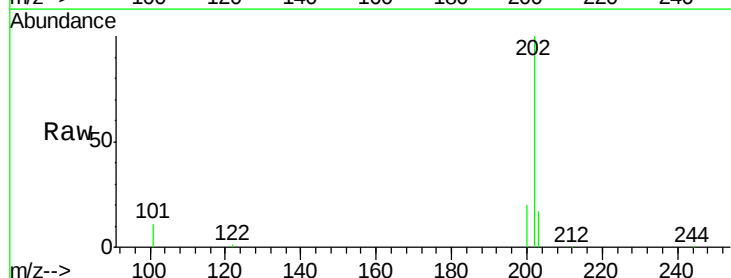
RT: 19.29 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

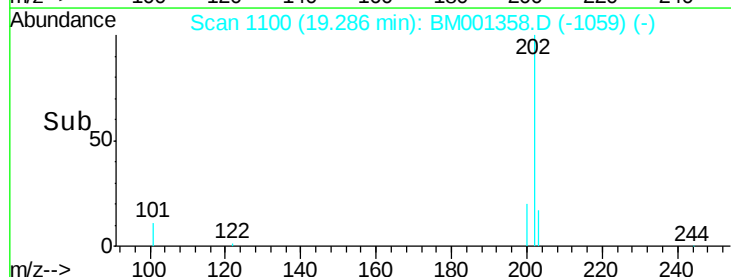
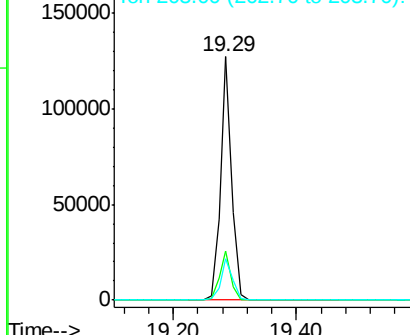
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.8	13.9	20.9

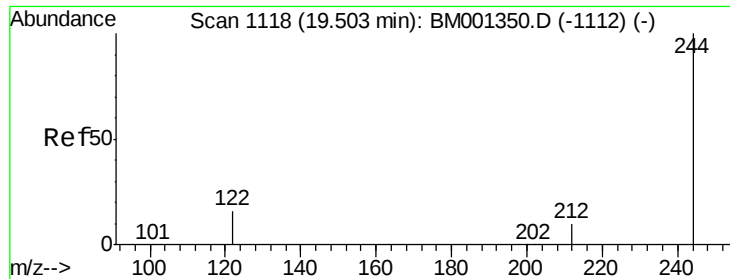


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 8.84 ng

RT: 19.50 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BM001358.D

Acq: 21 May 2015 13:21

Instrument :

BNA_M

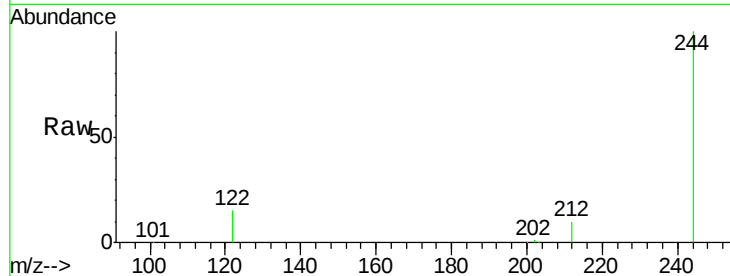
ClientSampleId :

PB83498BS

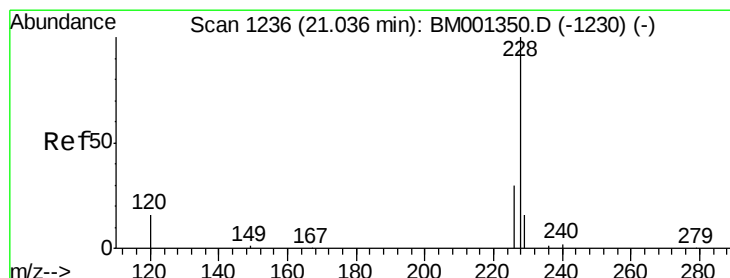
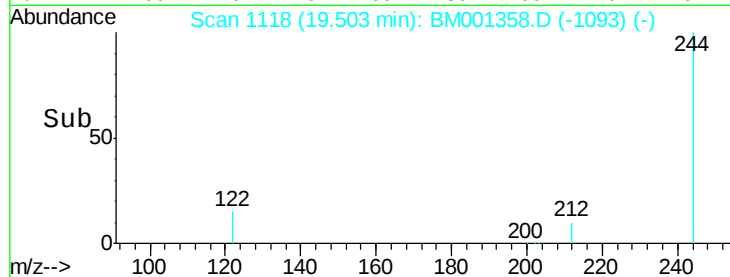
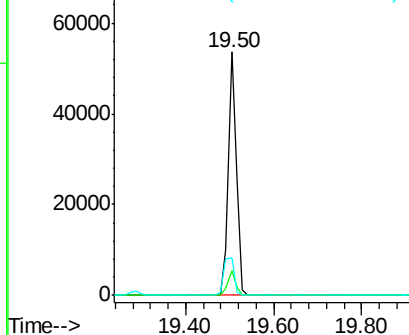
Tot Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.5	12.7
122	15.5	13.4	20.2

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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



#28

Benzo(a)anthracene

Concen: 9.00 ng

RT: 21.04 min Scan# 1236

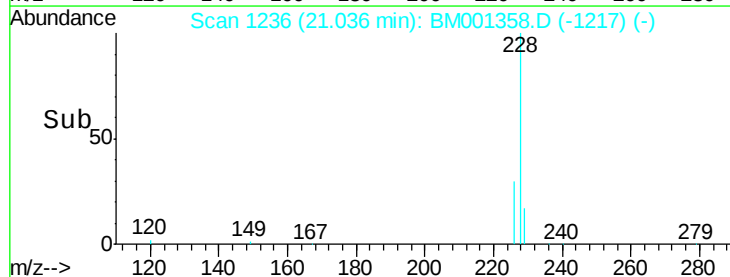
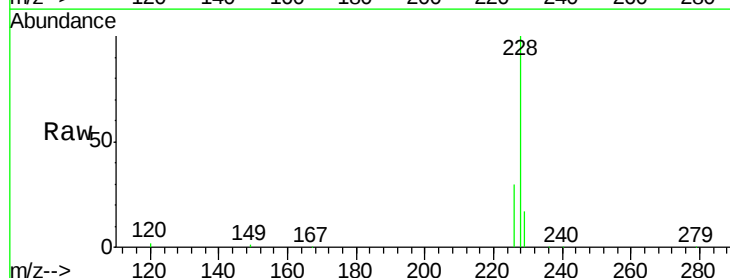
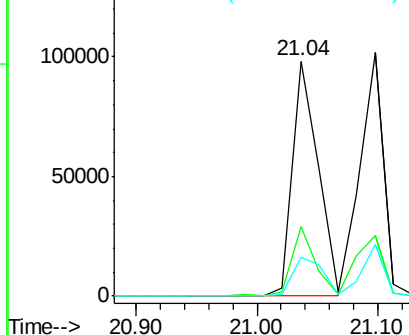
Delta R.T. 0.00 min

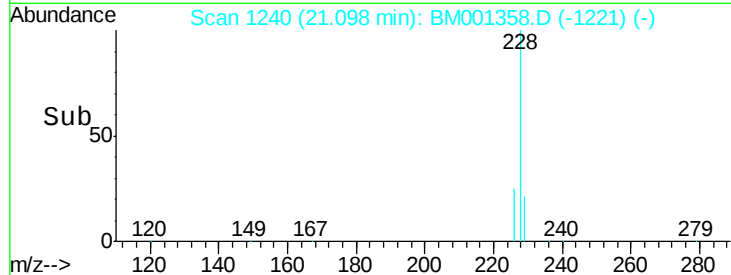
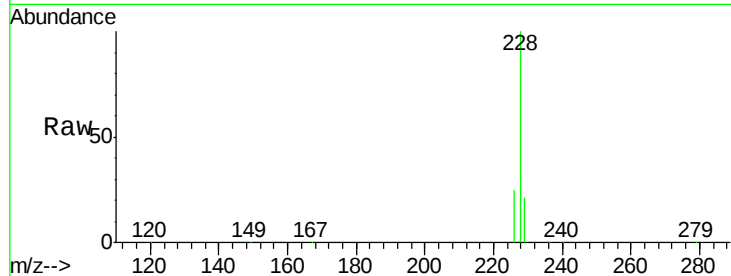
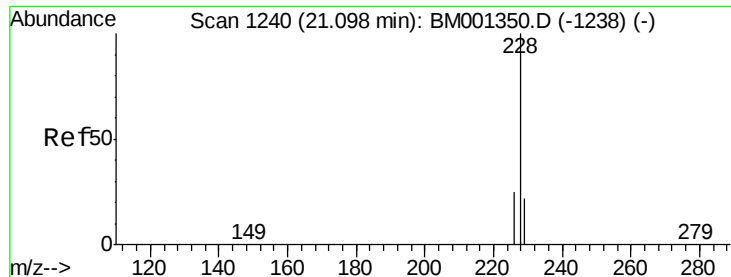
Lab File: BM001358.D

Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.5	36.7
229	16.8	13.3	19.9

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





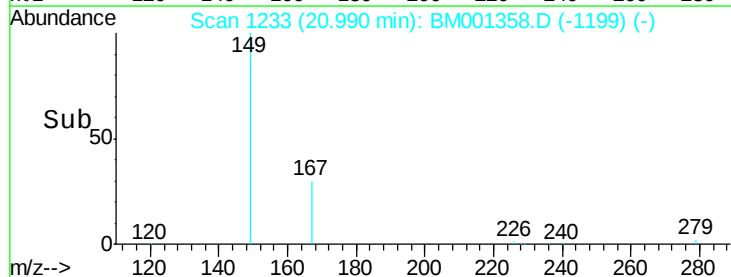
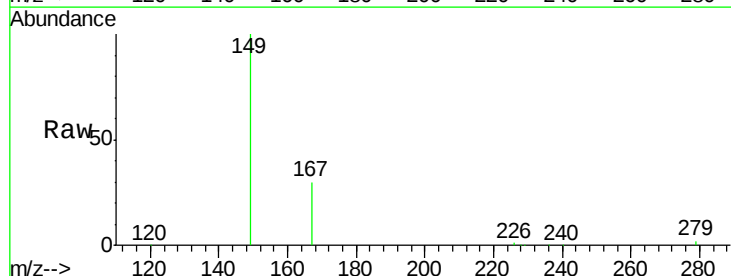
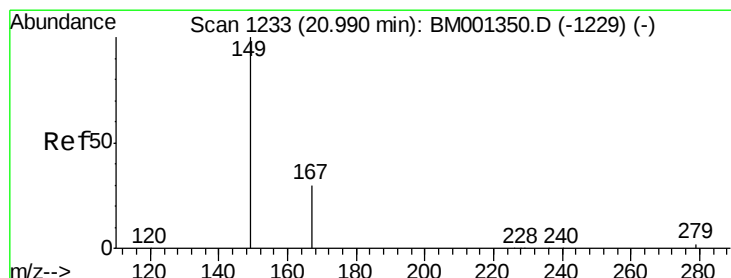
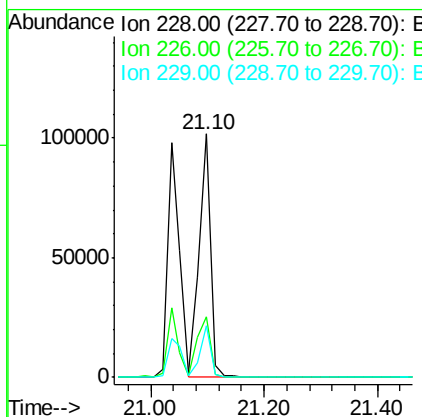
#29
 Chrvsene
 Concen: 9.01 ng
 RT: 21.10 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tot Ion:	228	Resp:	139600
Ion Ratio	Lower	Upper	
228	100		
226	24.9	20.0	30.0
229	21.4	17.6	26.4

Instrument :
 BNA_M
 ClientSampled :
 PB83498BS

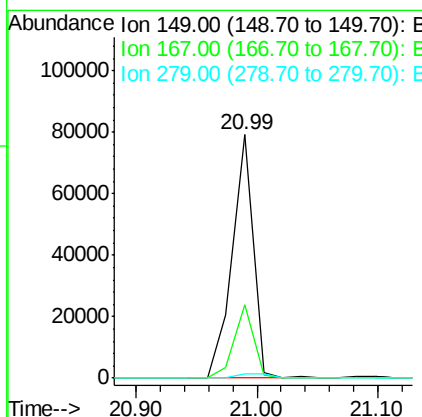
Manual Integrations
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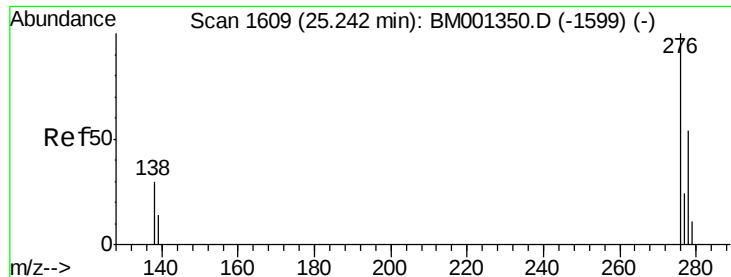
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#30
 Bis(2-ethylhexyl)phthalate
 Concen: 9.26 ng
 RT: 20.99 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tgt Ion:	149	Resp:	94869
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.6	32.4
279	2.3	1.9	2.9





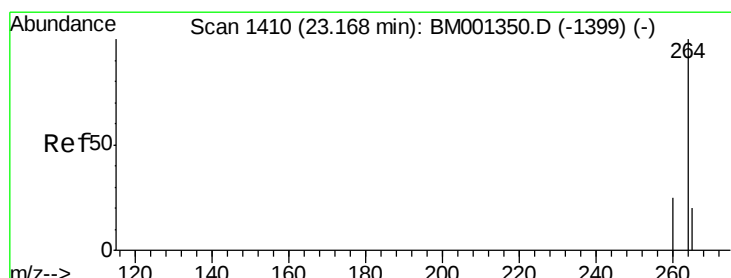
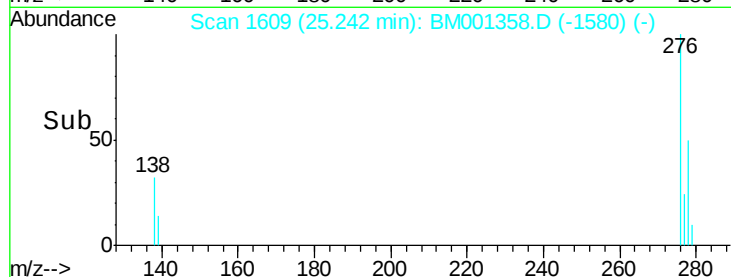
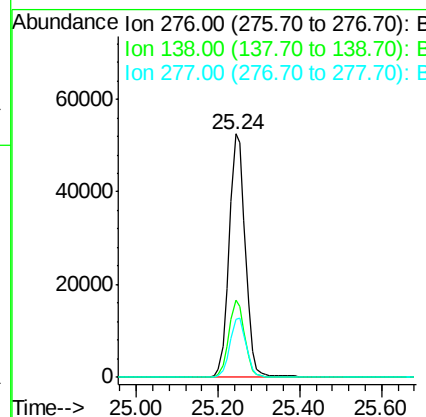
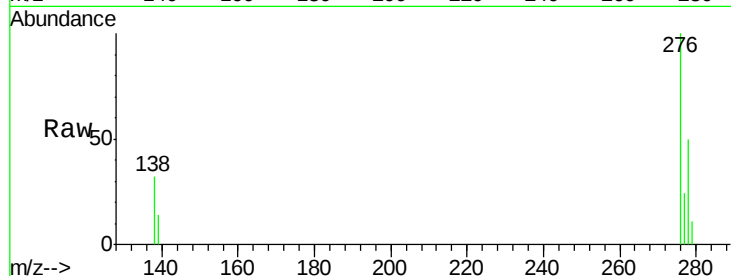
#31
Indeno(1,2,3-cd)pyrene
Concen: 8.61 ng
RT: 25.24 min Scan# 1609
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	24.2	36.4
277	24.6	19.7	29.5

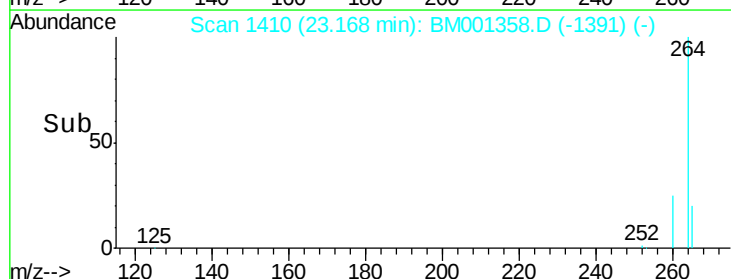
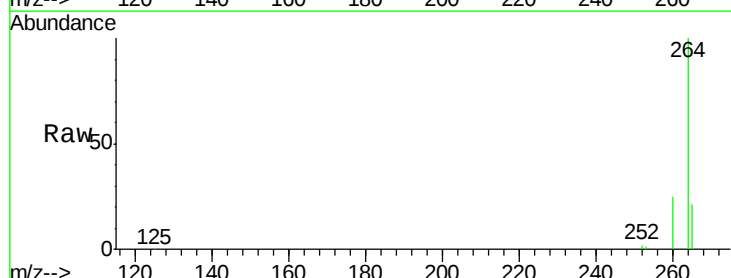
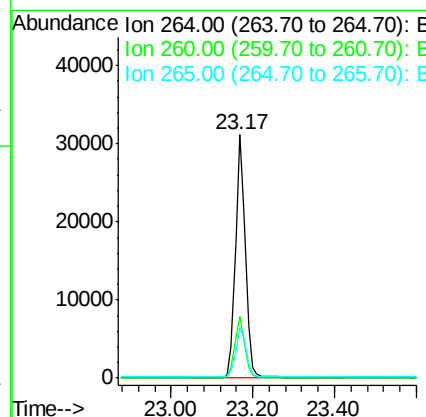
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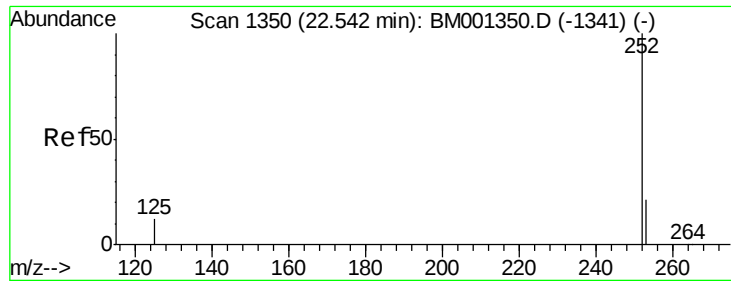
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#32
Perylene-d12
Concen: 5.00 ng
RT: 23.17 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.4	30.6
265	20.9	16.6	24.8





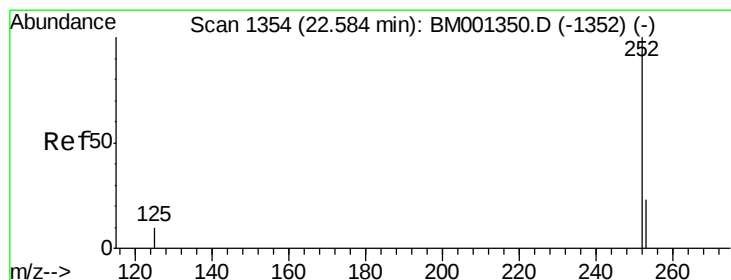
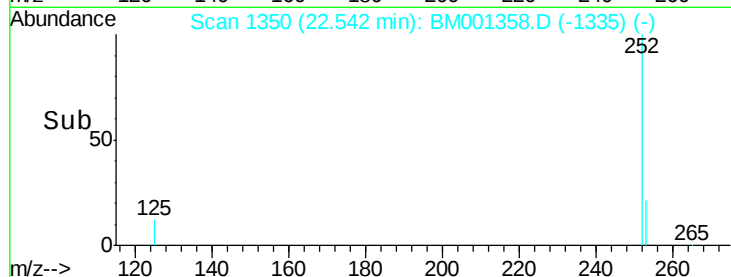
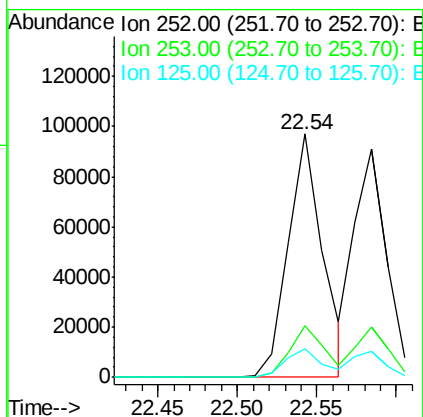
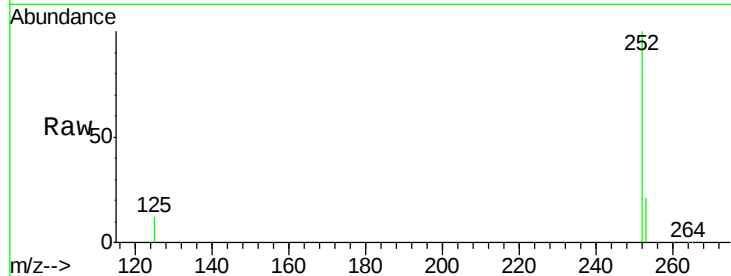
#33
Benzo(b)fluoranthene
Concen: 9.00 ng
RT: 22.54 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	11.9	9.8	14.8

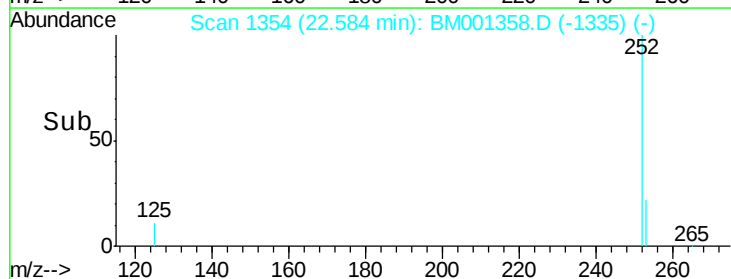
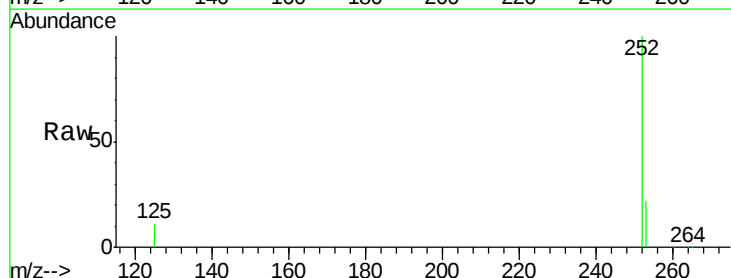
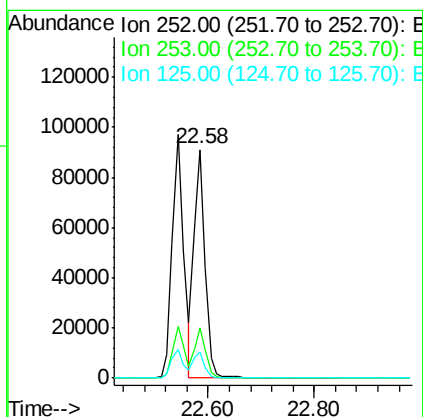
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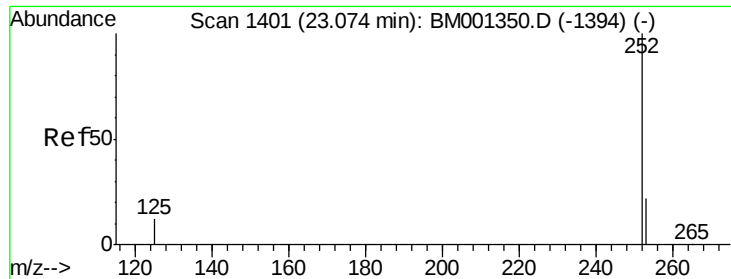
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#34
Benzo(k)fluoranthene
Concen: 9.19 ng
RT: 22.58 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.6	28.0
125	11.4	9.3	13.9





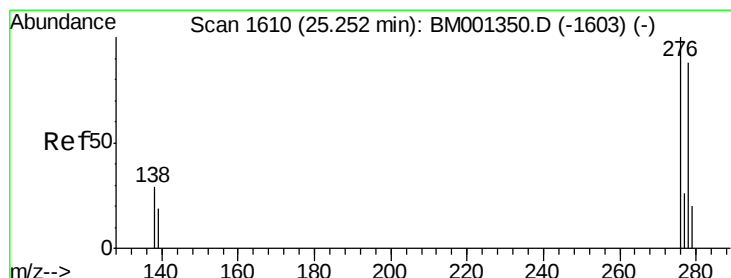
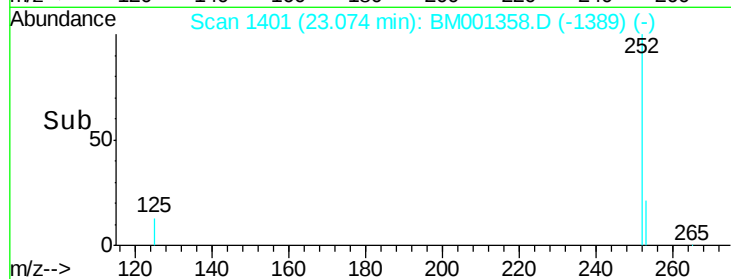
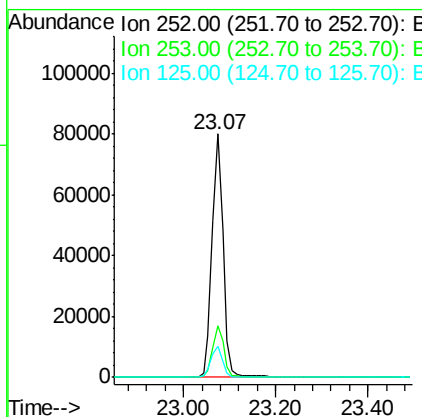
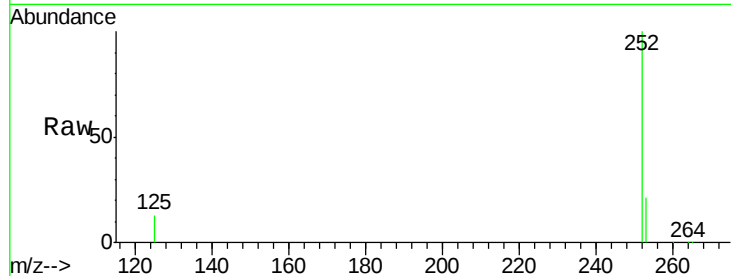
#35
Benzo(a)pyrene
Concen: 9.69 ng
RT: 23.07 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Instrument :
BNA_M
ClientSampleId :
PB83498BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.9	28.3
125	12.8	10.6	15.8

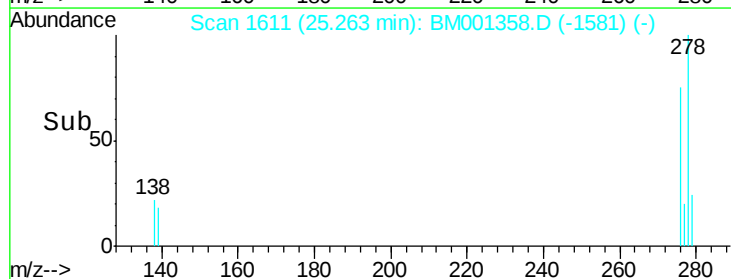
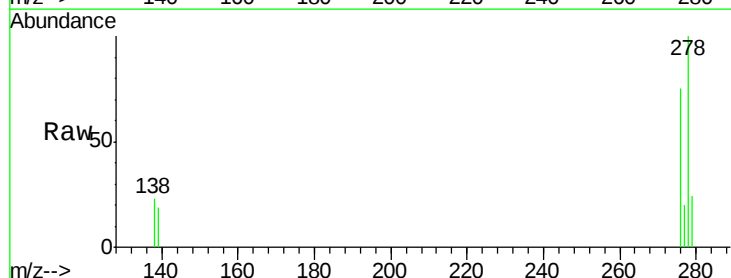
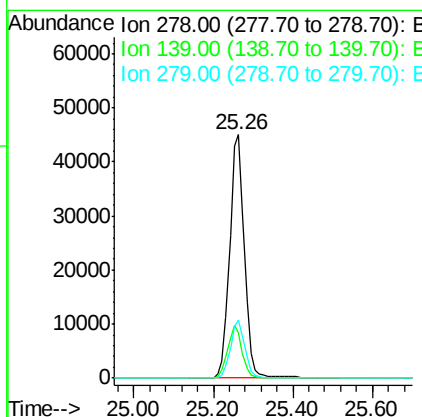
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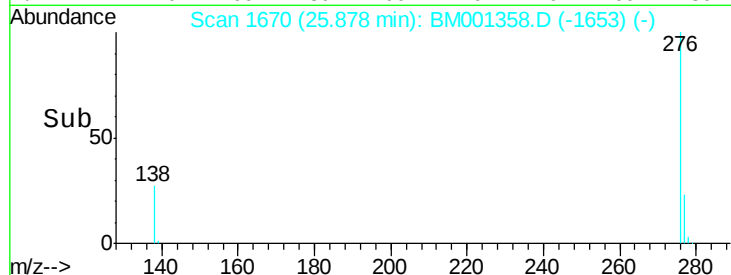
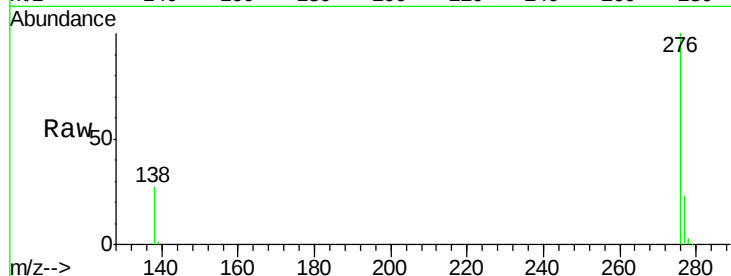
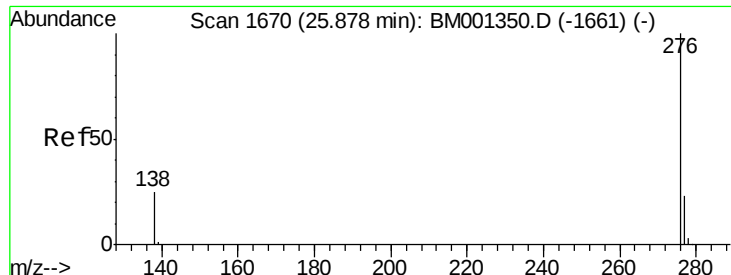
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#36
Dibenzo(a,h)anthracene
Concen: 9.09 ng
RT: 25.26 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM001358.D
Acq: 21 May 2015 13:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	17.5	26.3
279	23.7	18.7	28.1





#37
 Benzo(a,h,i)perylene
 Concen: 8.68 ng
 RT: 25.88 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM001358.D
 Acq: 21 May 2015 13:21

Tot Ion:	276	Resp:	118226
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.2	28.8
138	26.9	20.2	30.4

Instrument :
 BNA_M
 ClientSampleId :
 PB83498BS

Manual Integrations
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