

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060315\
 Data File : BM001548.D
 Acq On : 03 Jun 2015 23:11
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Manual Integrations
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Quant Time: Jun 04 19:26:14 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 12:46:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	25223	5.00	ng	0.00
6) Naphthalene-d8	10.49	136	89290	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	42609	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	89422	5.00	ng	0.00
25) Chrysene-d12	21.28	240	69037	5.00	ng	0.00
32) Perylene-d12	23.52	264	64536	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	5523	0.96	ng	0.00
5) Phenol-d6	6.86	99	6749	0.96	ng	0.00
7) Nitrobenzene-d5	8.86	82	6021	0.95	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	1722	0.97	ng	0.00
14) 2-Fluorobiphenyl	12.97	172	12413	0.98	ng	0.00
27) Terphenyl-d14	19.73	244	8217	0.96	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	2351	0.98	ng	97
3) n-Nitrosodimethylamine	3.52	42	3743	0.96	ng	97
8) Nitrobenzene	8.90	77	6332	0.95	ng	100
9) Naphthalene	10.52	128	18270	0.97	ng	99
10) Hexachlorobutadiene	10.82	225	3210	0.99	ng	99
11) 2-Methylnaphthalene	12.16	142	11461	0.97	ng	99
15) Acenaphthylene	14.06	152	18003	0.97	ng	100
16) Acenaphthene	14.41	154	10982	0.98	ng	99
17) Fluorene	15.39	166	8108	0.89	ng	97
19) 4-Bromophenyl-phenylether	16.27	248	3948	1.13	ng	97
20) Hexachlorobenzene	16.41	284	2042	1.10	ng	# 100
21) Pentachlorophenol	16.75	266	1078	1.05	ng	99
22) Phenanthrene	17.12	178	27801	1.07	ng	99
23) Anthracene	17.23	178	10869m	0.91	ng	
24) Fluoranthene	19.15	202	19613	1.07	ng	100
26) Pyrene	19.52	202	20629	0.97	ng	100
28) Benzo(a)anthracene	21.27	228	17682	0.92	ng	98
29) Chrysene	21.31	228	17413	1.01	ng	95
30) Bis(2-ethylhexyl)phthalate	21.19	149	12039	0.85	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	18669	0.98	ng	100
33) Benzo(b)fluoranthene	22.84	252	17795	0.99	ng	97
34) Benzo(k)fluoranthene	22.89	252	15937	0.96	ng	98
35) Benzo(a)pyrene	23.42	252	15757	0.97	ng	98
36) Dibenzo(a,h)anthracene	25.79	278	14661	0.97	ng	98
37) Benzo(g,h,i)perylene	26.47	276	15406	0.97	ng	98

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

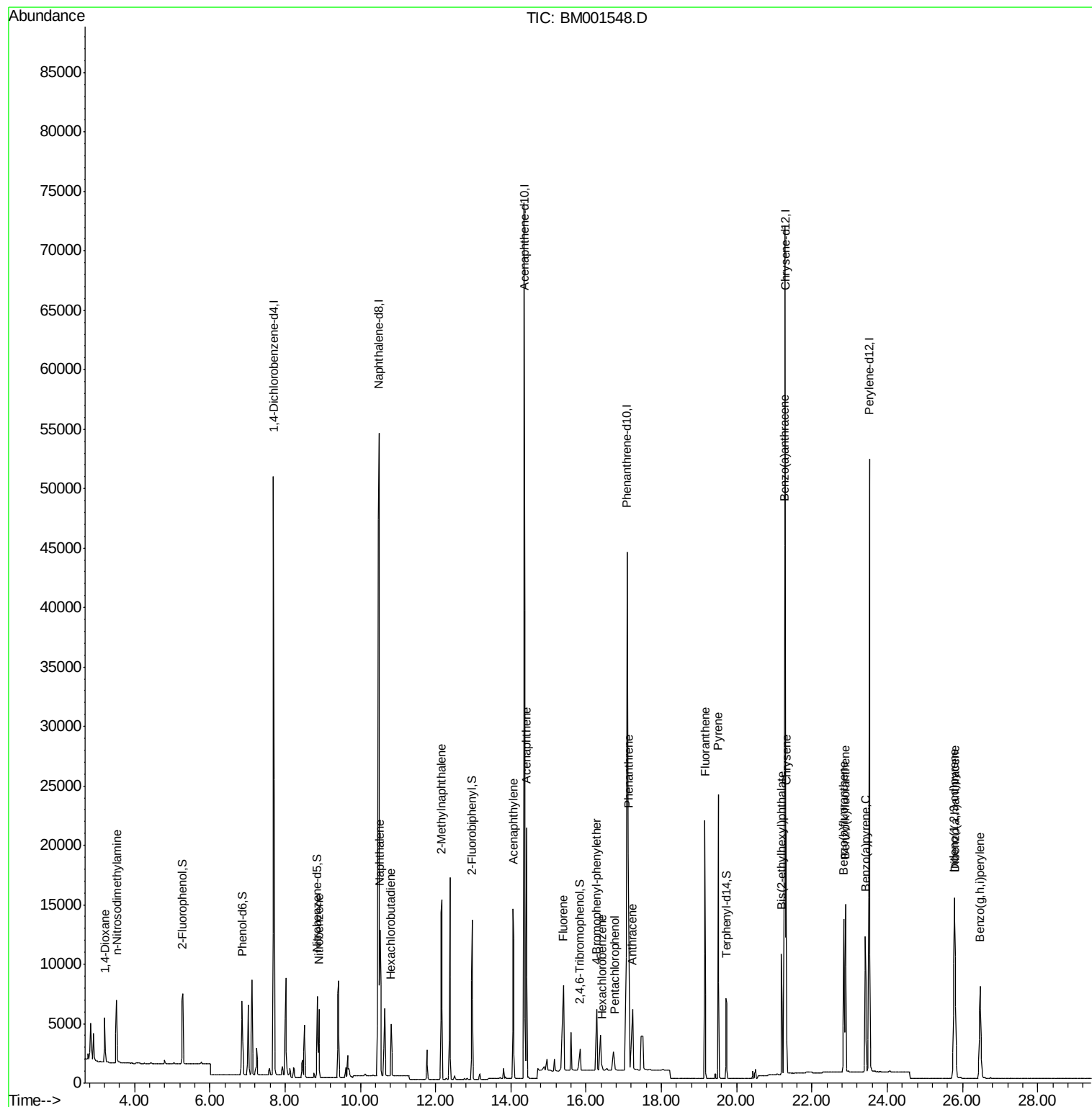
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060315\
Data File : BM001548.D
Acq On : 03 Jun 2015 23:11
Operator : TP/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

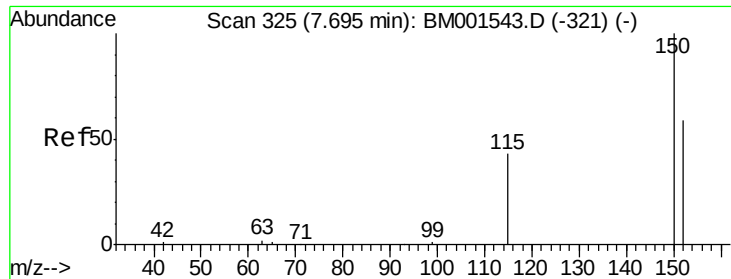
Instrument :
BNA_M
ClientSampleId :
ICVBM060315

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Quant Time: Jun 04 19:26:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 12:46:32 2015
Response via : Initial Calibration





#1

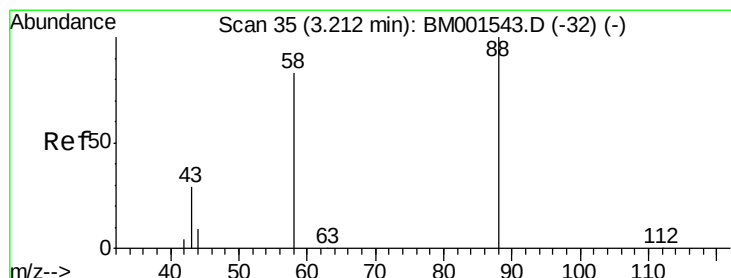
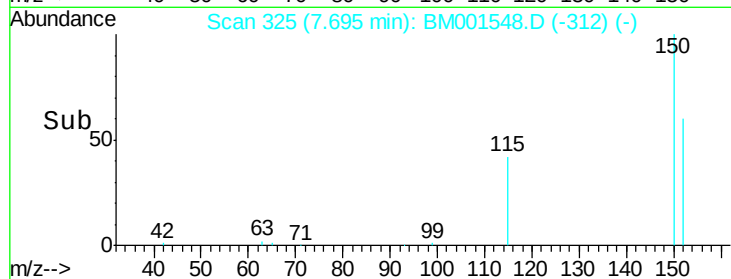
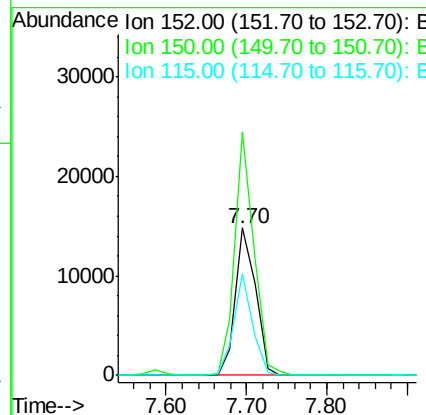
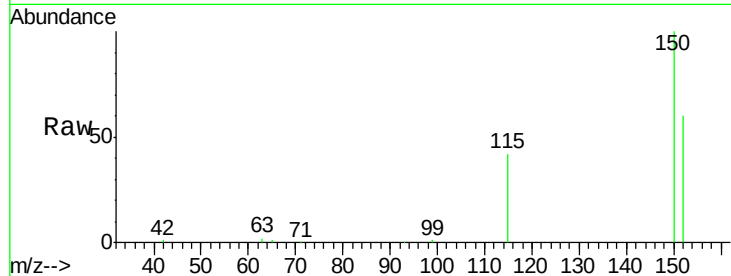
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Instrument :
BNA_M
ClientSampleId :
ICVBM060315

Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.5	135.0	202.4
115	69.4	57.8	86.8

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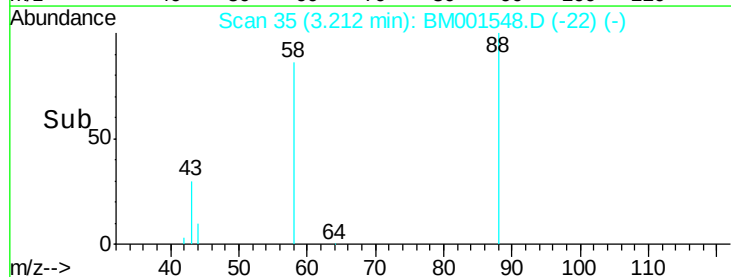
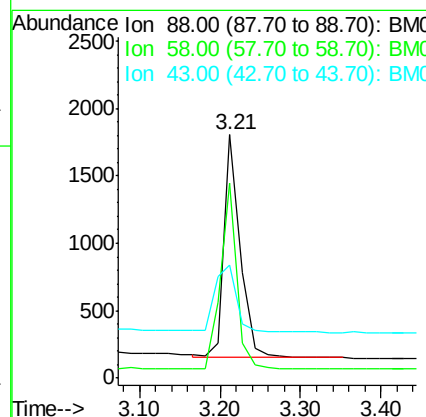
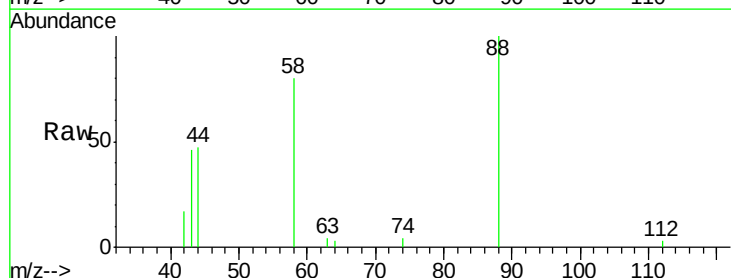
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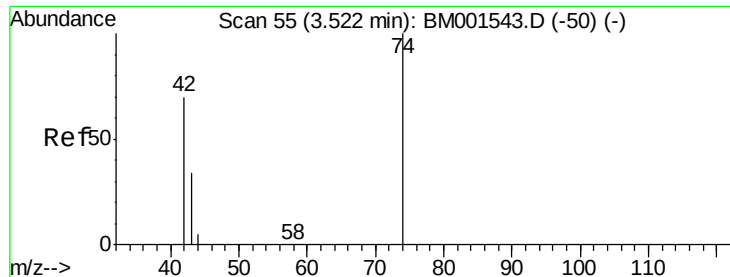


#2

1,4-Dioxane
Concen: 0.98 ng
RT: 3.21 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.4	65.0	97.4
43	42.2	31.1	46.7





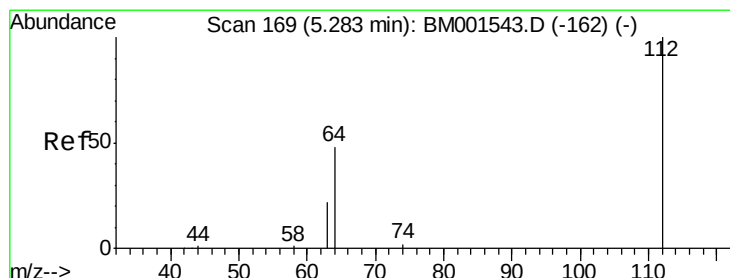
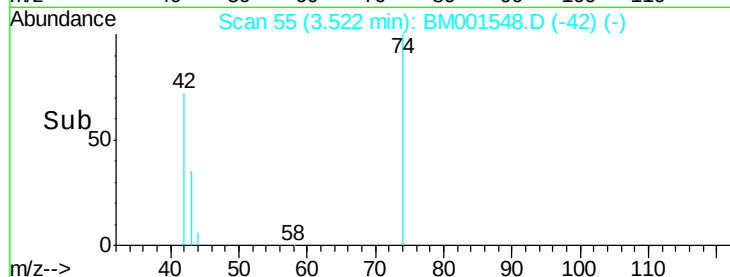
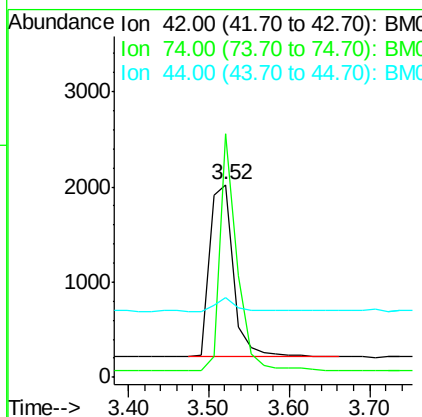
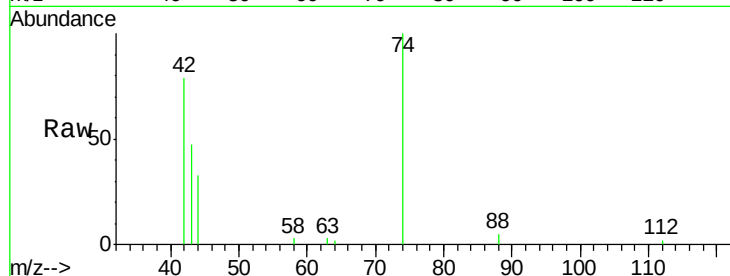
#3
n-Nitrosodimethylamine
Concen: 0.96 ng
RT: 3.52 min Scan# 55
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Instrument :
BNA_M
ClientSampleId :
ICVBM060315

Tgt Ion	Ratio	Lower	Upper
42	100		
74	99.3	82.0	123.0
44	6.3	5.8	8.6

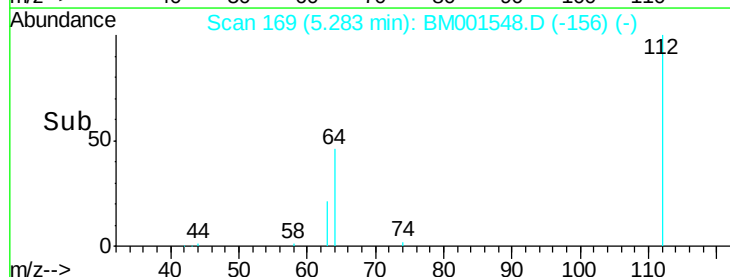
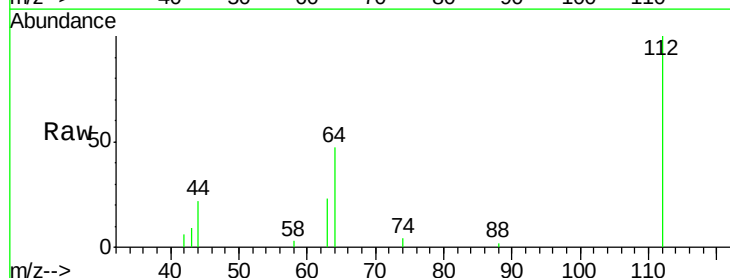
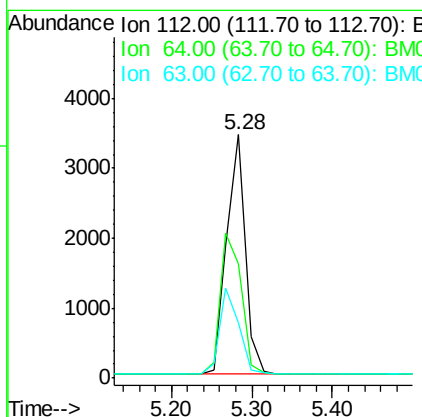
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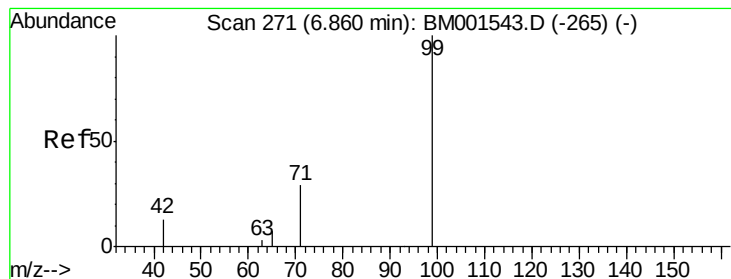
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#4
2-Fluorophenol
Concen: 0.96 ng
RT: 5.28 min Scan# 169
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.0	79.4
63	36.8	29.2	43.8





#5

Phenol-d6

Concen: 0.96 ng

RT: 6.86 min Scan# 271

Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

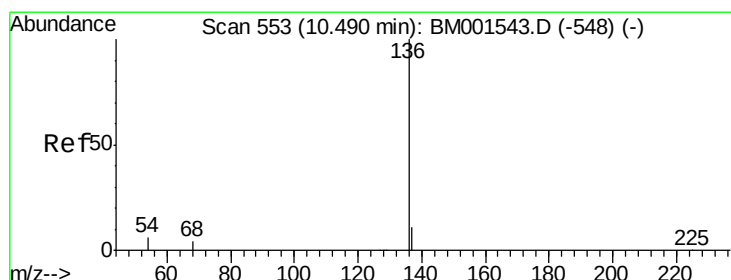
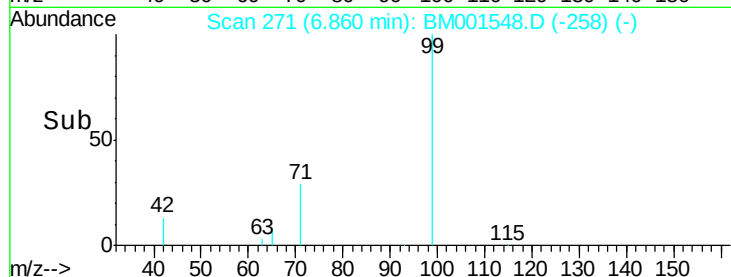
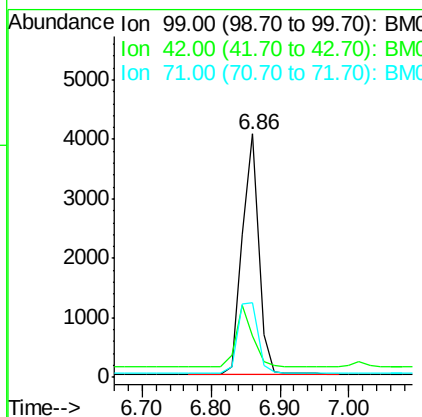
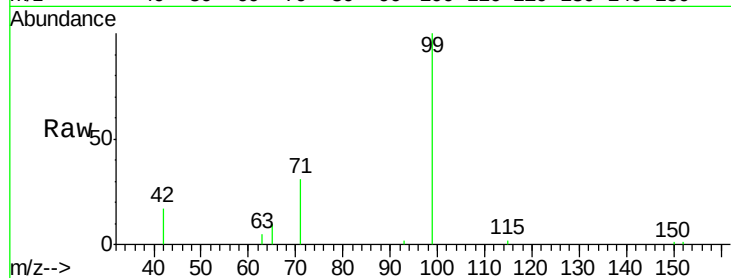
ClientSampleId :

ICVBM060315

Tgt Ion:	99	Resp:	6749
Ion Ratio	Lower	Upper	
99	100		
42	26.2	20.9	31.3
71	36.0	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

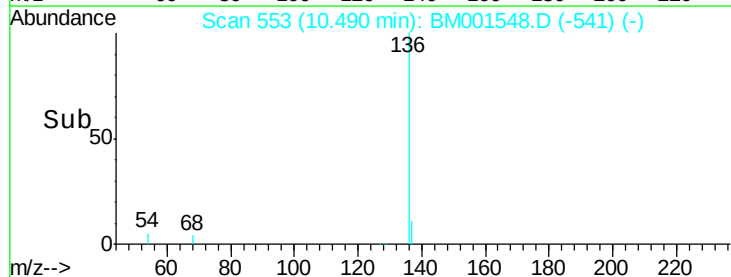
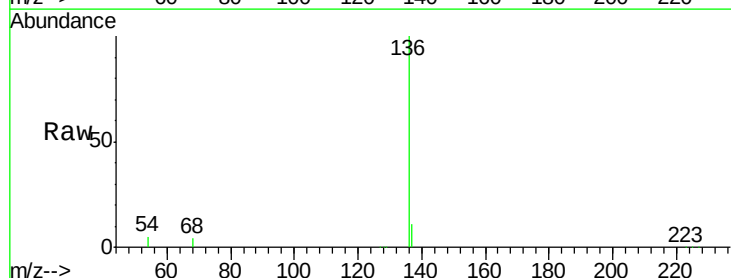
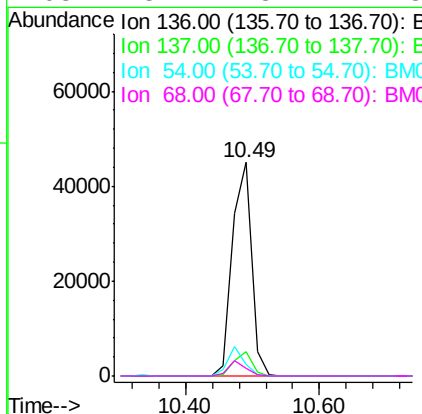
RT: 10.49 min Scan# 553

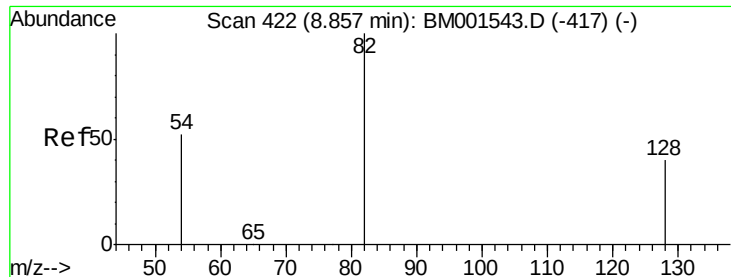
Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Tgt Ion:	136	Resp:	89290
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	5.5	4.6	6.8
68	3.7	3.2	4.8





#7

Nitrobenzene-d5

Concen: 0.95 ng

RT: 8.86 min Scan# 422

Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

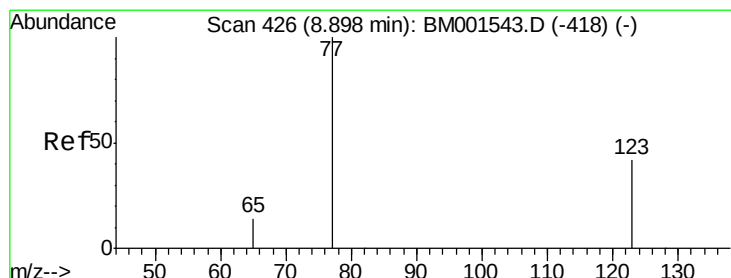
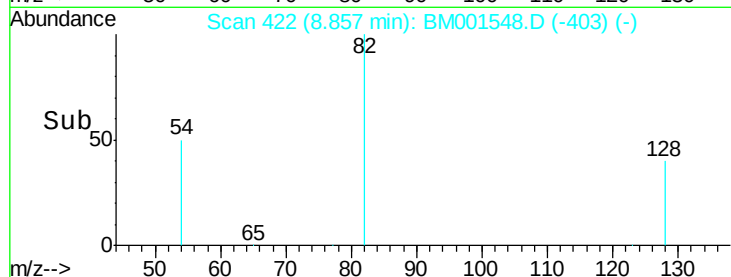
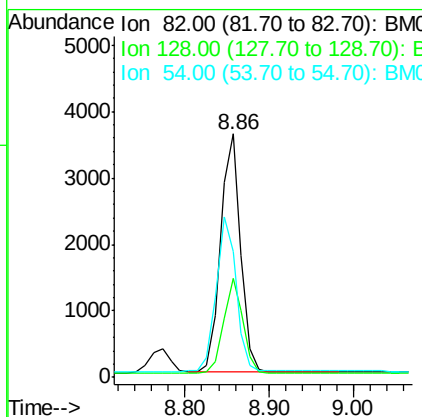
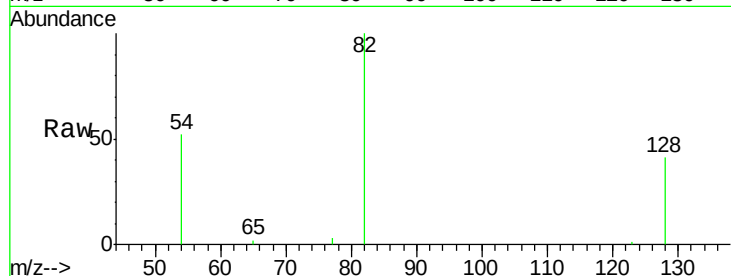
ClientSampleId :

ICVBM060315

Tgt Ion:	82	Resp:	6021
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.3	48.5
54	51.7	43.0	64.4

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#8

Nitrobenzene

Concen: 0.95 ng

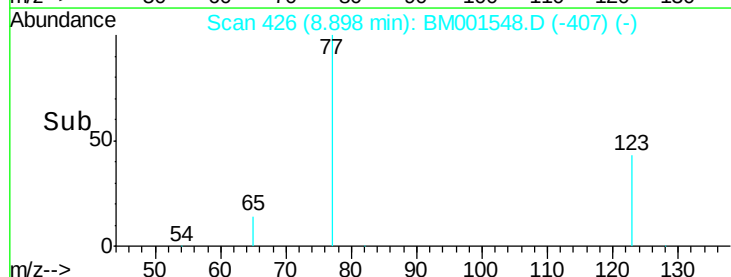
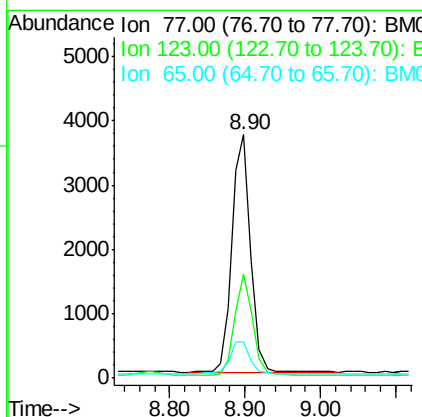
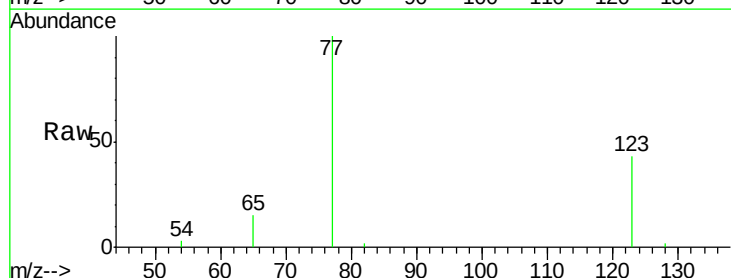
RT: 8.90 min Scan# 426

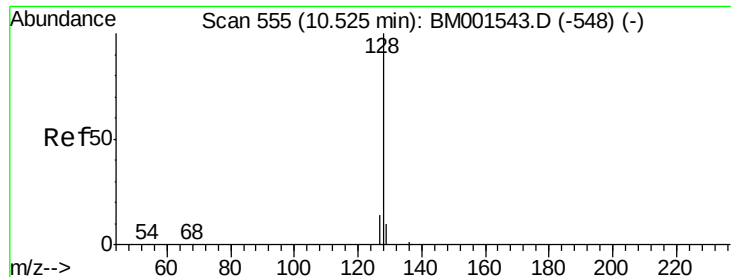
Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Tgt Ion:	77	Resp:	6332
Ion Ratio	Lower	Upper	
77	100		
123	40.5	32.5	48.7
65	14.5	11.8	17.6





#9

Naphthalene

Concen: 0.97 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

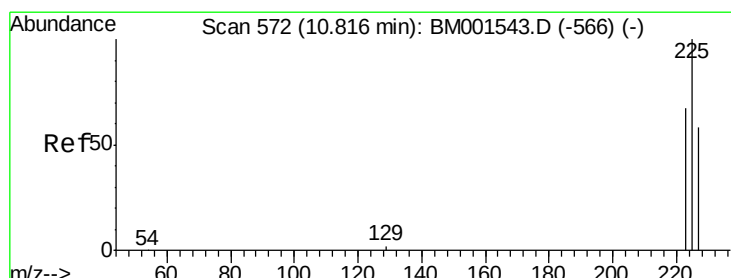
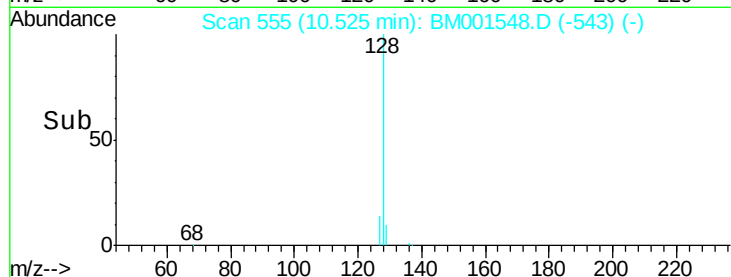
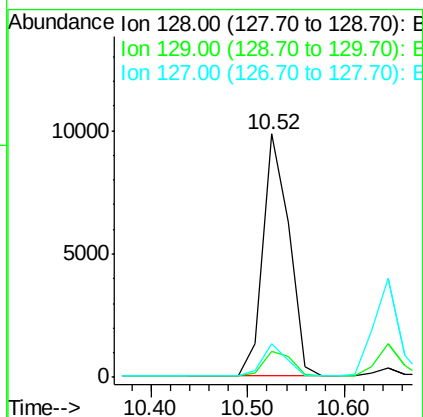
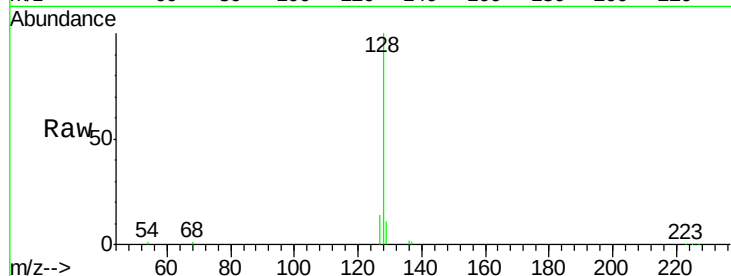
ClientSampleId :

ICVBM060315

Tgt Ion:	128	Resp:	18270
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.5	12.7
127	14.1	11.7	17.5

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#10

Hexachlorobutadiene

Concen: 0.99 ng

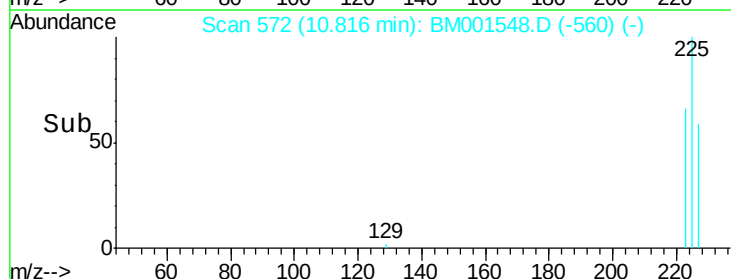
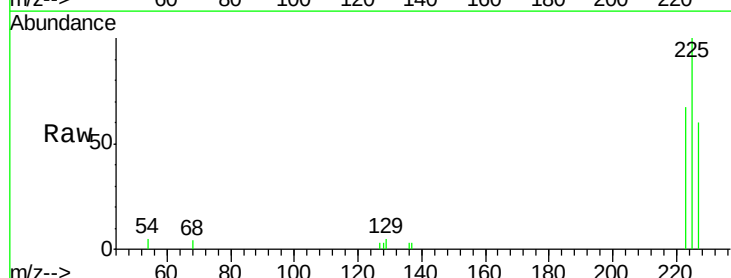
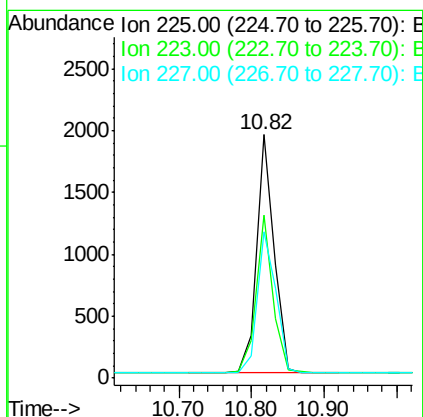
RT: 10.82 min Scan# 572

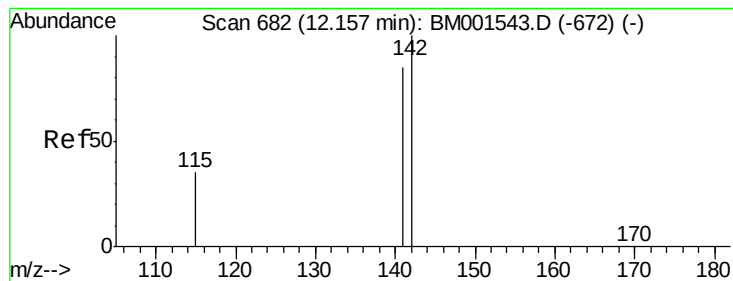
Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Tgt Ion:	225	Resp:	3210
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.2	75.2
227	63.5	50.5	75.7





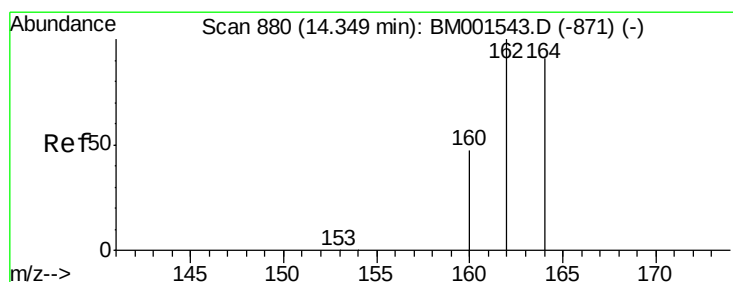
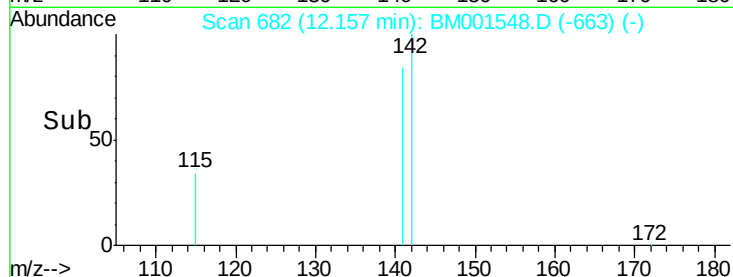
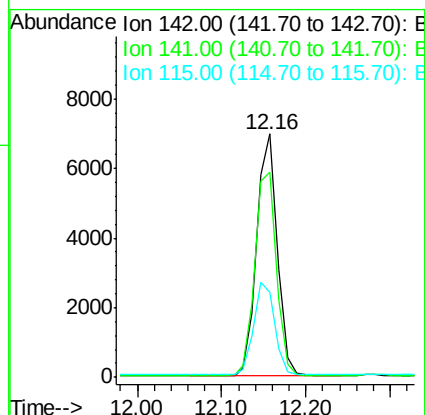
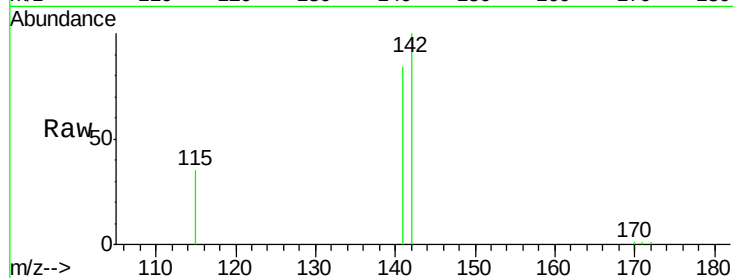
#11
2-Methylnaphthalene
Concen: 0.97 ng
RT: 12.16 min Scan# 682
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Instrument :
BNA_M
ClientSampleId :
ICVBM060315

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.1	102.1
115	35.0	28.3	42.5

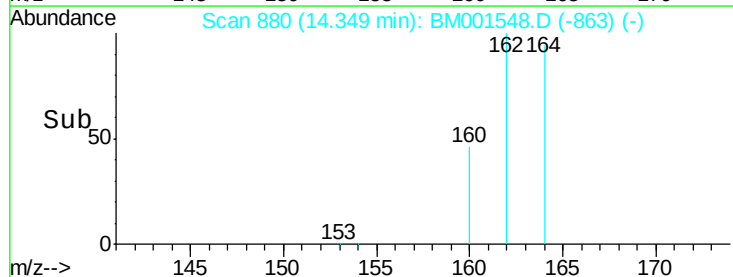
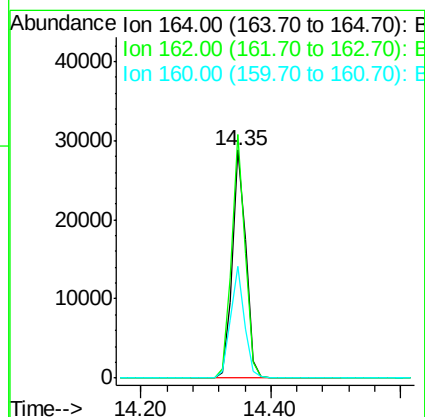
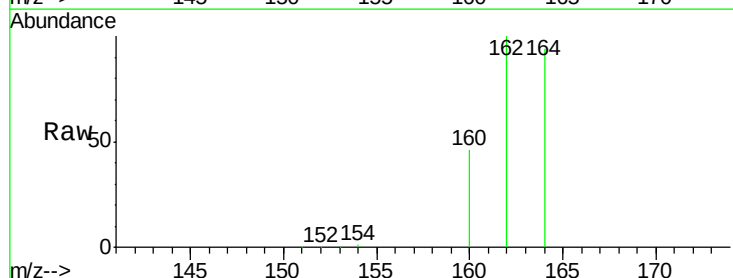
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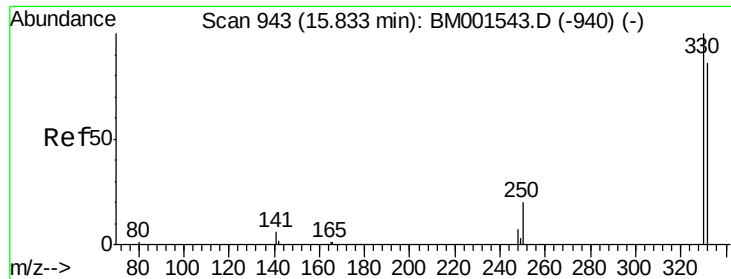
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 880
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	88.0	132.0
160	49.0	41.0	61.4





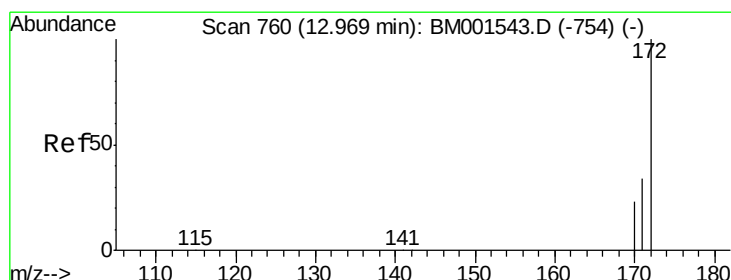
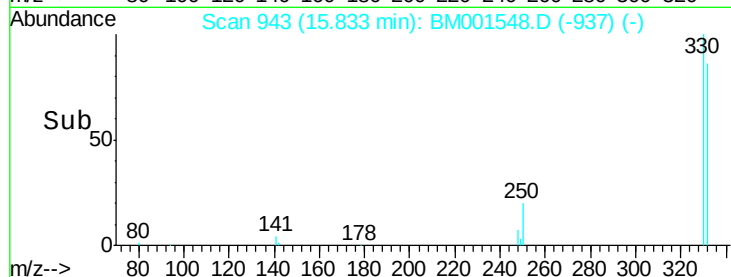
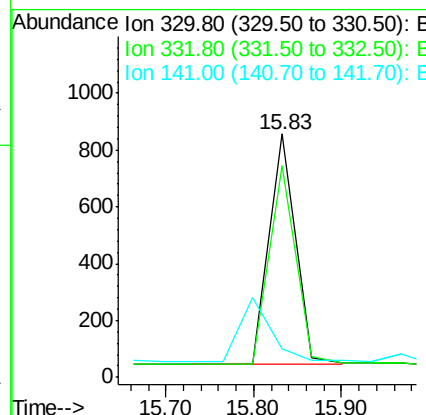
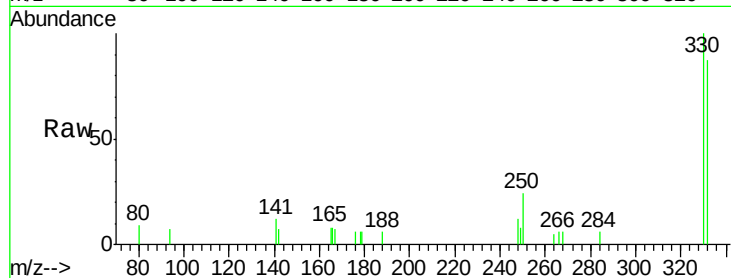
#13
 2,4,6-Tribromophenol
 Concen: 0.97 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1722		
332	86.9	69.6	104.4	
141	0.0	0.0	0.0	

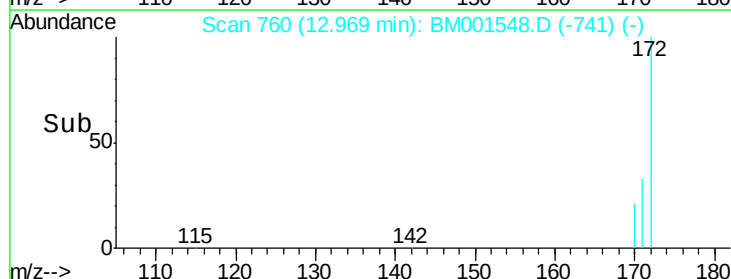
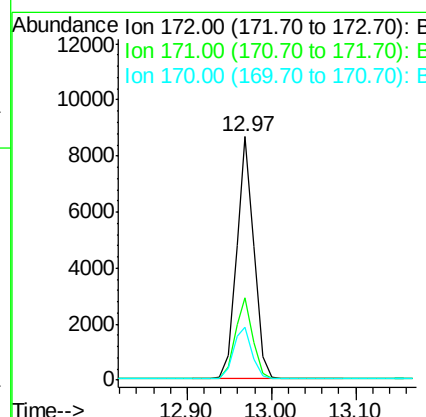
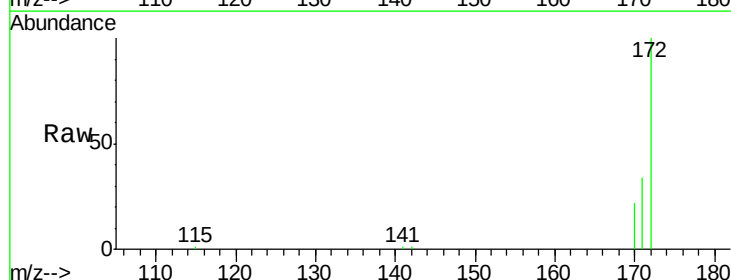
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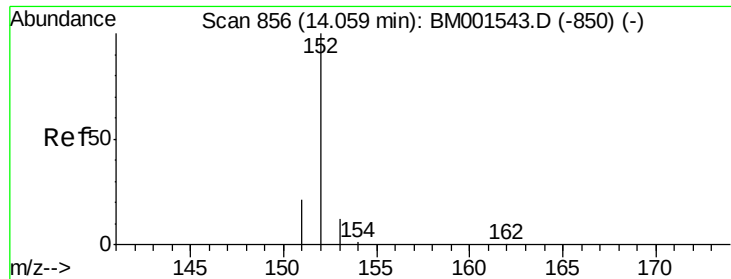
apatel
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#14
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 12.97 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	12413		
171	33.9	27.6	41.4	
170	21.8	18.4	27.6	





#15

Acenaphthylene

Concen: 0.97 ng

RT: 14.06 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM001548.D

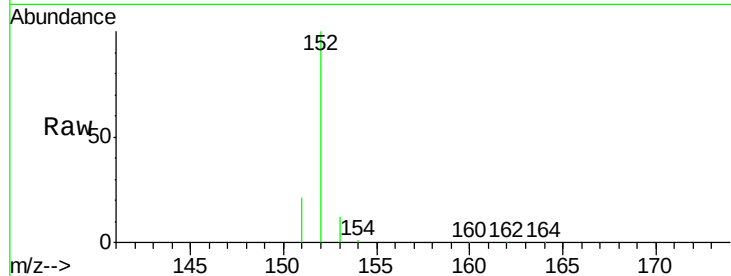
Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

ClientSampleId :

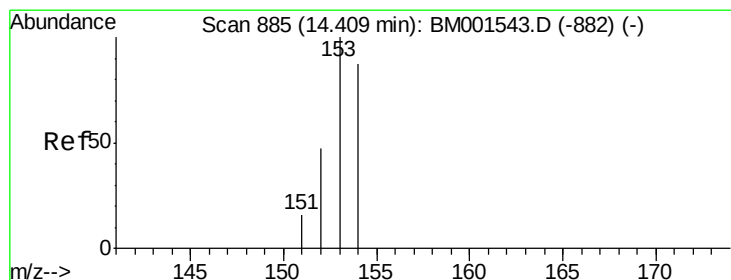
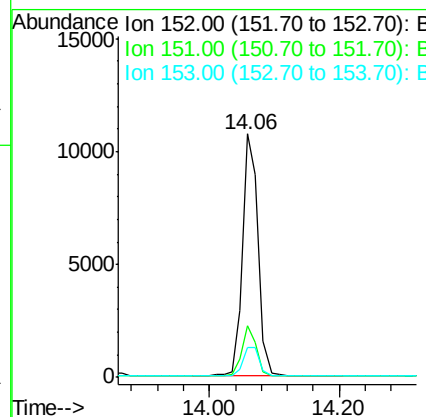
ICVBM060315



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9
153	12.8	10.3	15.5

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#16

Acenaphthene

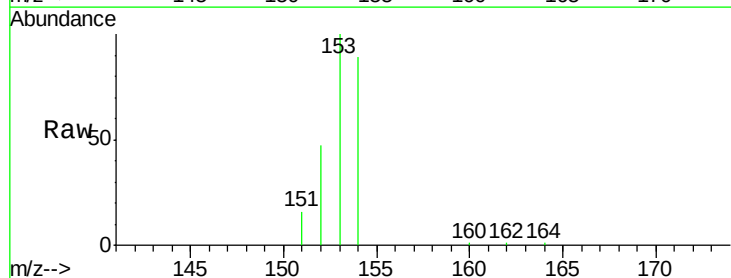
Concen: 0.98 ng

RT: 14.41 min Scan# 885

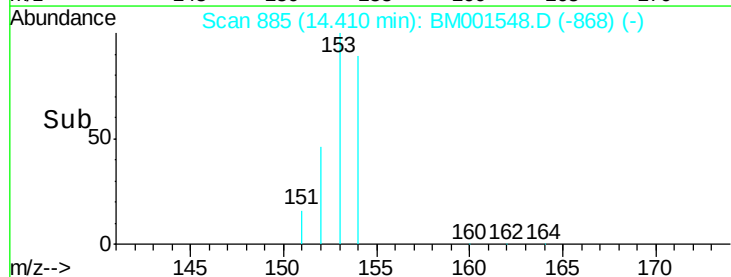
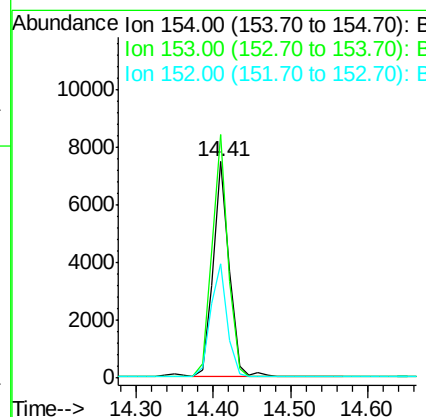
Delta R.T. 0.00 min

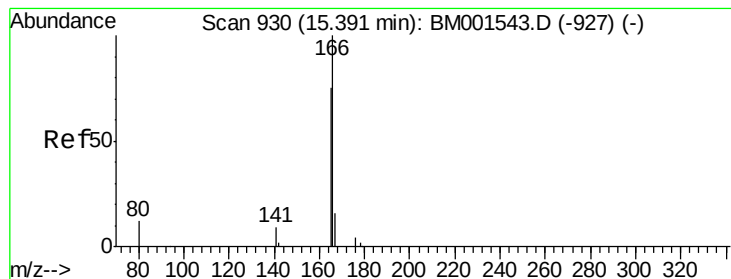
Lab File: BM001548.D

Acq: 03 Jun 2015 23:11



Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.8	134.8
152	53.7	43.0	64.6





#17

Fluorene

Concen: 0.89 ng

RT: 15.39 min Scan# 930

Delta R.T. 0.00 min

Lab File: BM001548.D

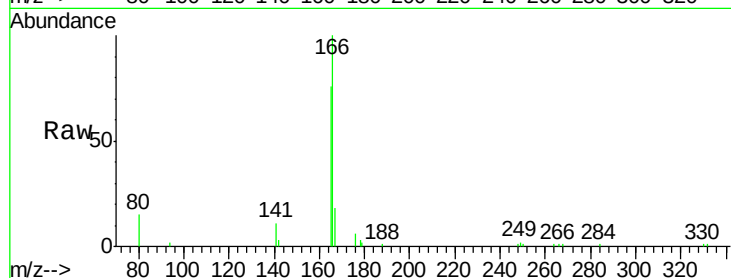
Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

ClientSampleId :

ICVBM060315



Tgt Ion:166 Resp: 8108

Ion Ratio Lower Upper

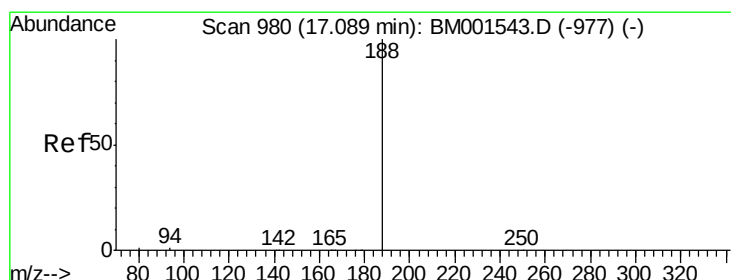
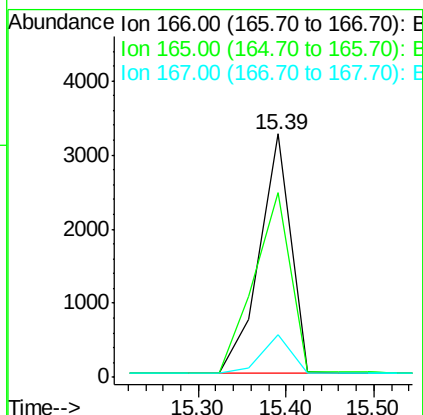
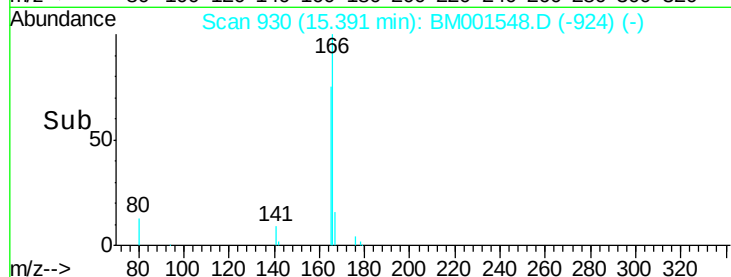
166 100

165 88.1 68.2 102.2

167 14.9 12.1 18.1

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#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

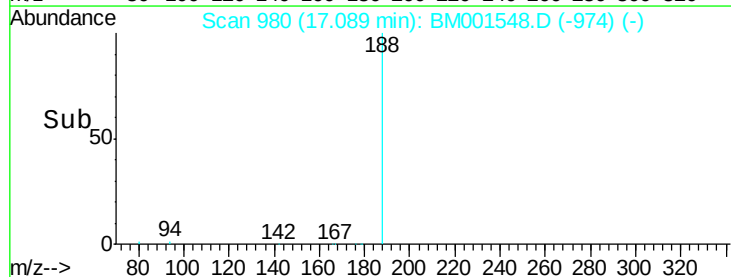
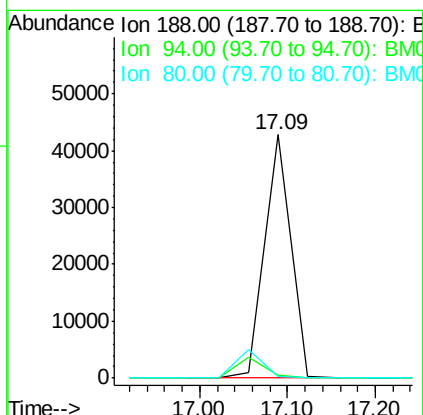
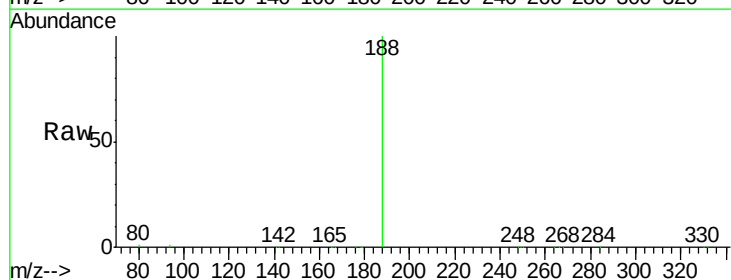
Tgt Ion:188 Resp: 89422

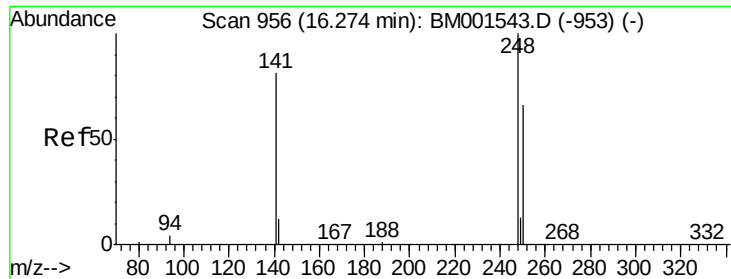
Ion Ratio Lower Upper

188 100

94 1.0 1.0 1.4

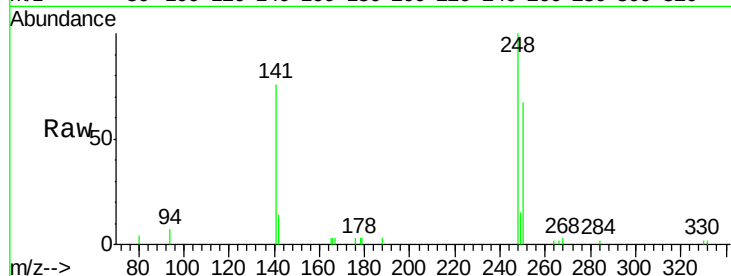
80 0.8 0.8 1.2





#19
4-Bromophenyl-phenylether
Concen: 1.13 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

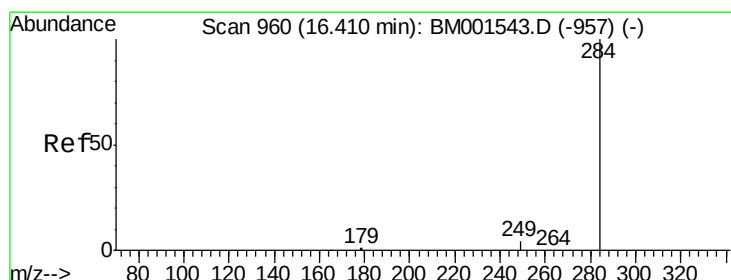
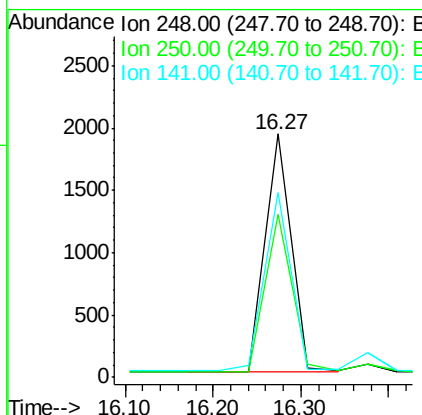
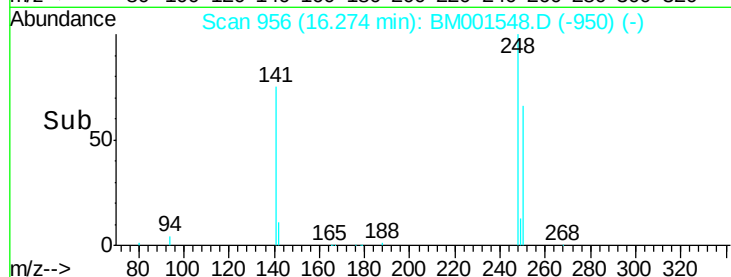
Instrument :
BNA_M
ClientSampleId :
ICVBM060315



Tgt Ion	Ratio	Lower	Upper
248	100		
250	68.3	55.2	82.8
141	75.8	64.7	97.1

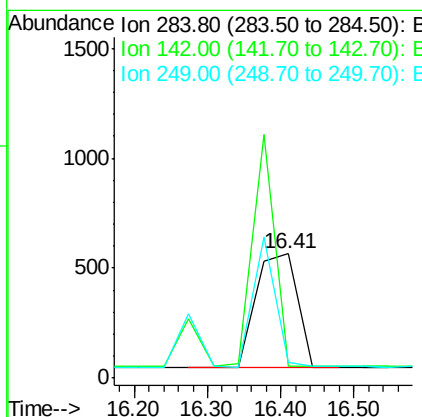
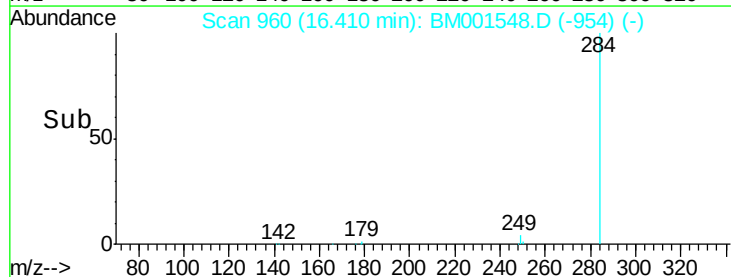
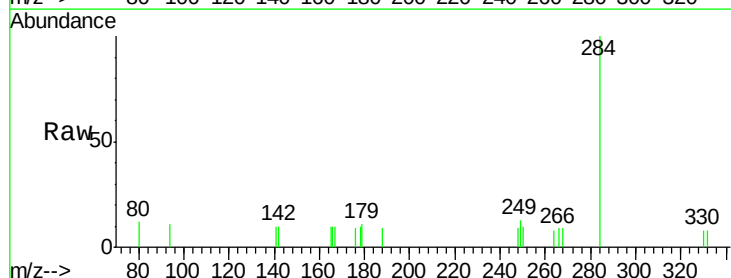
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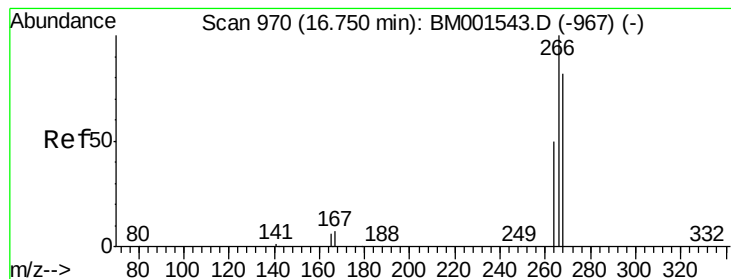
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#20
Hexachlorobenzene
Concen: 1.10 ng
RT: 16.41 min Scan# 960
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





#21

Pentachlorophenol

Concen: 1.05 ng

RT: 16.75 min Scan# 970

Delta R.T. 0.00 min

Lab File: BM001548.D

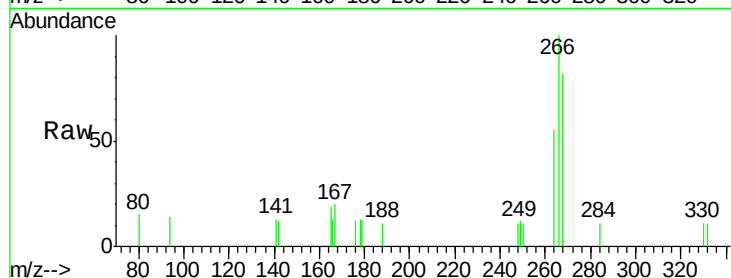
Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

ClientSampleId :

ICVBM060315



Tgt Ion: 266 Resp: 1078

Ion Ratio Lower Upper

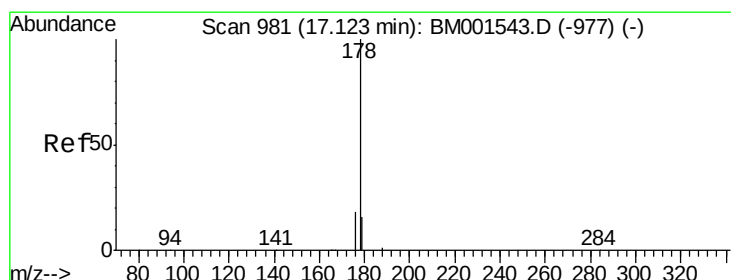
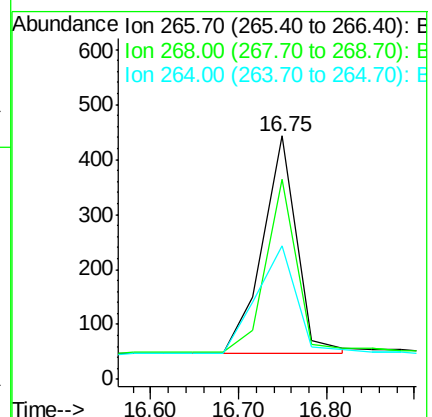
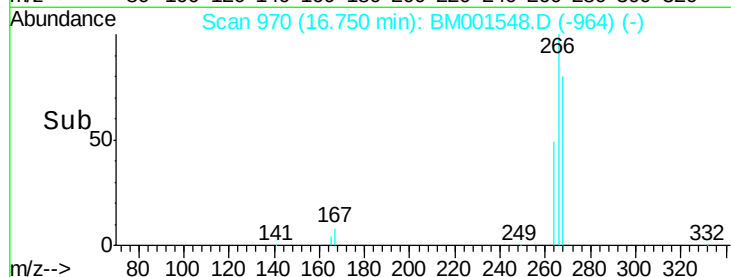
266 100

268 82.4 67.2 100.8

264 54.6 43.7 65.5

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#22

Phenanthrene

Concen: 1.07 ng

RT: 17.12 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

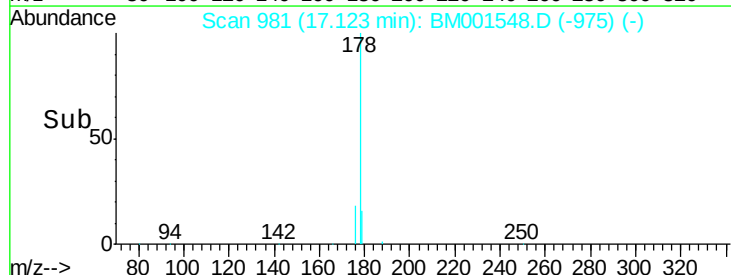
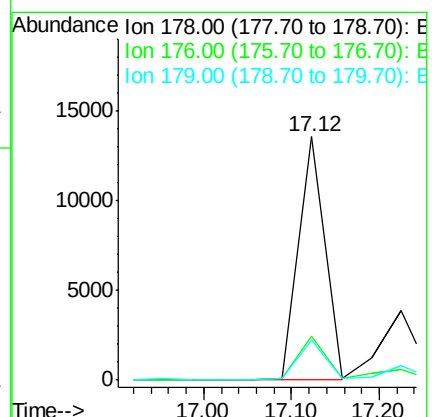
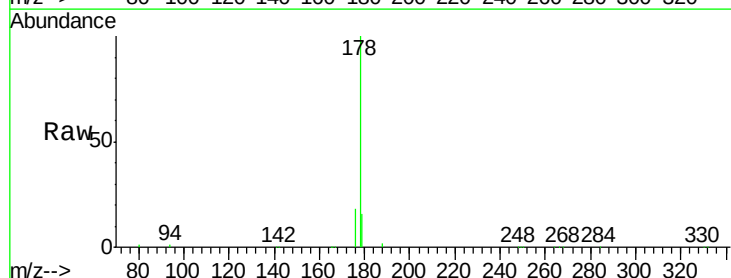
Tgt Ion: 178 Resp: 27801

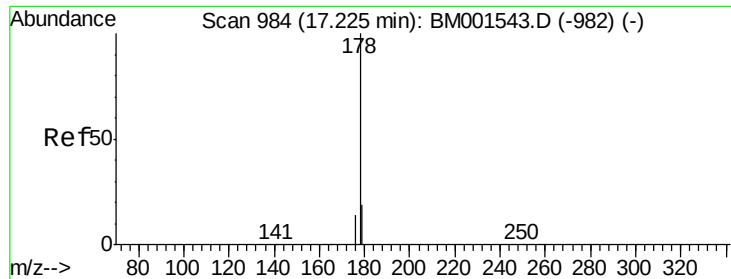
Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

179 16.4 12.7 19.1





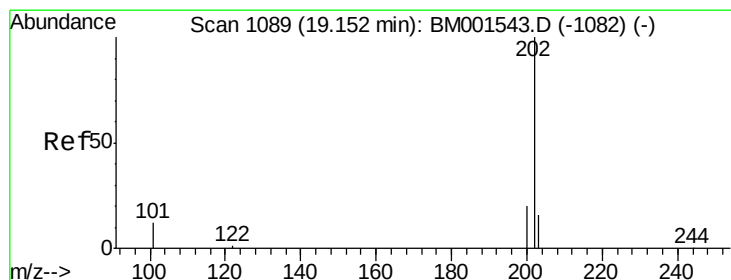
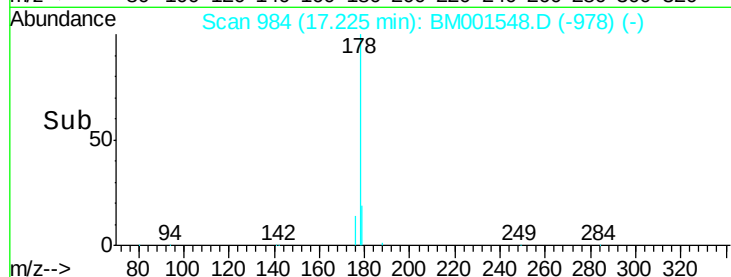
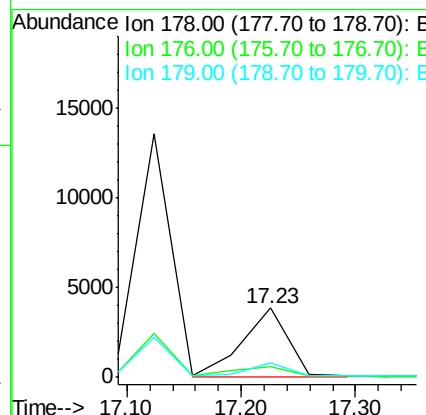
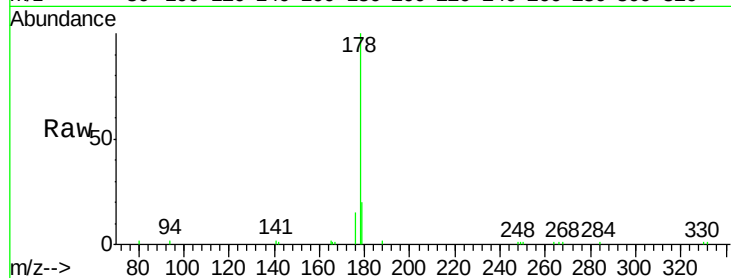
#23
 Anthracene
 Concen: 0.91 ng m
 RT: 17.23 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	36.6	54.8#
179	13.6	28.7	43.1#

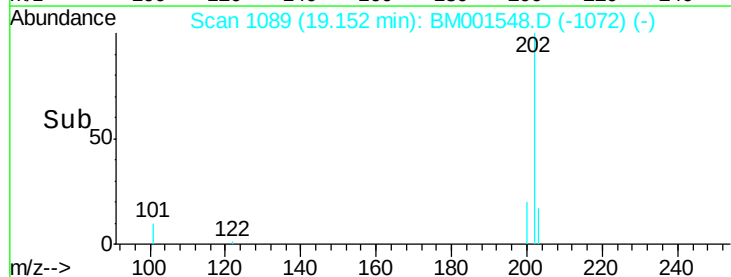
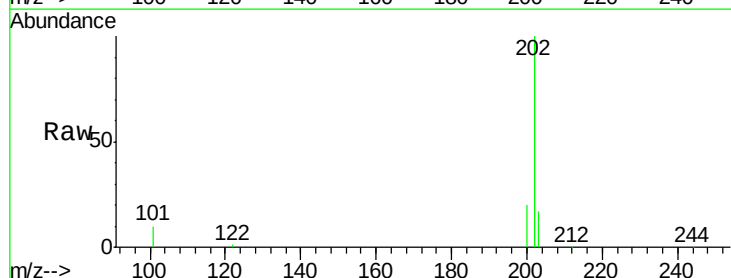
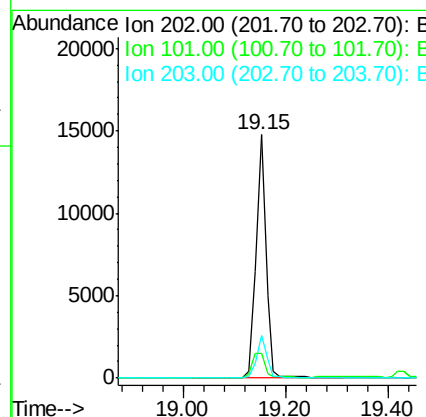
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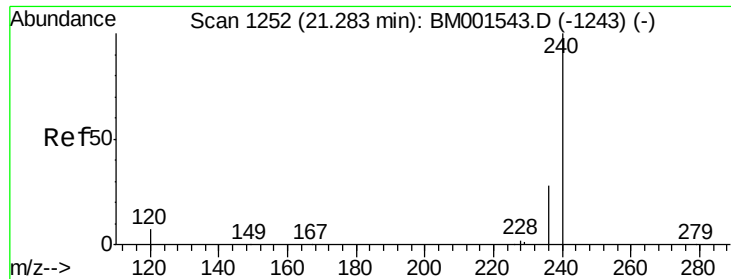
apatel
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#24
 Fluoranthene
 Concen: 1.07 ng
 RT: 19.15 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.2	15.2
203	17.1	13.8	20.8





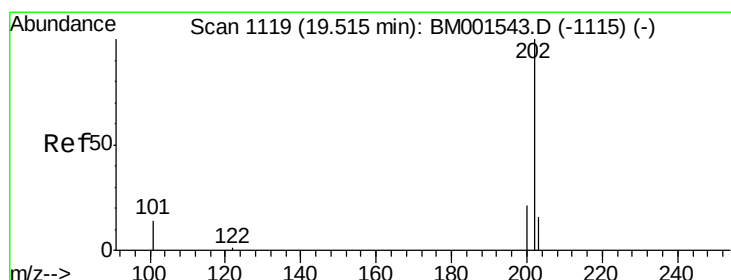
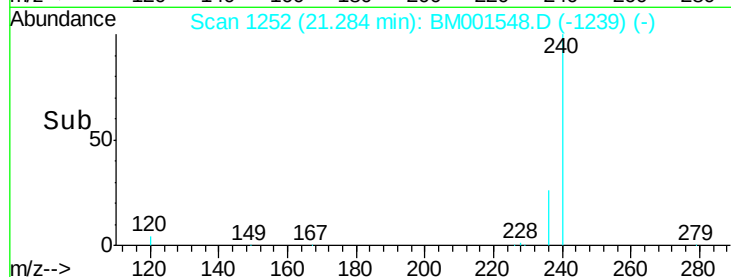
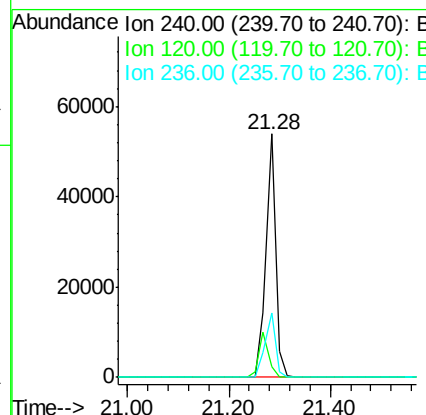
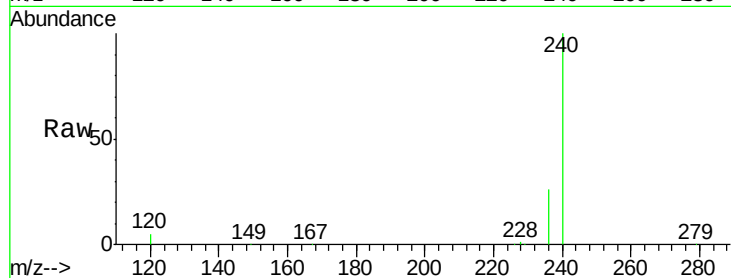
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Instrument :
BNA_M
ClientSampleId :
ICVBM060315

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.6	5.6	8.4#
236	26.4	22.4	33.6

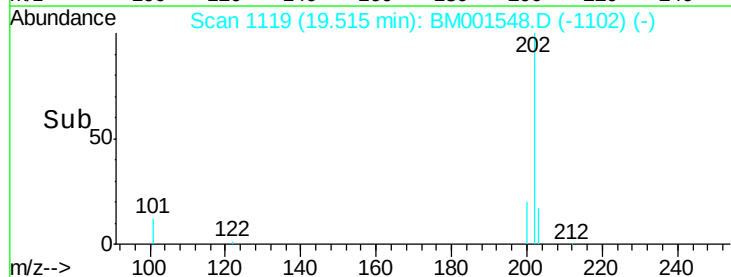
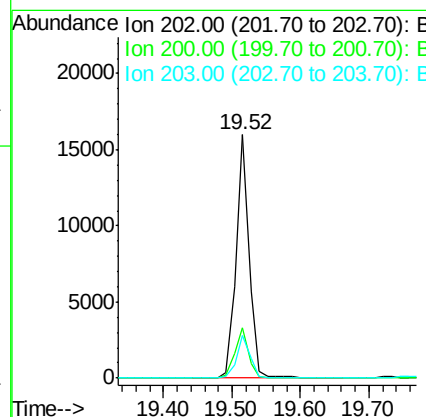
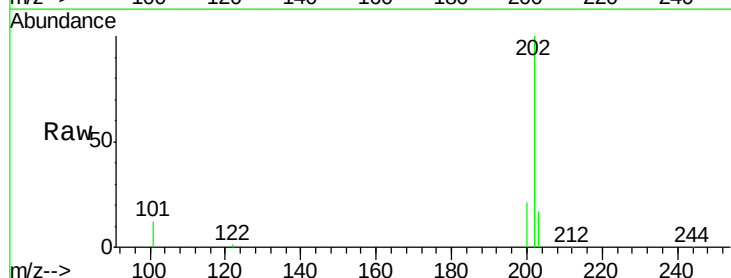
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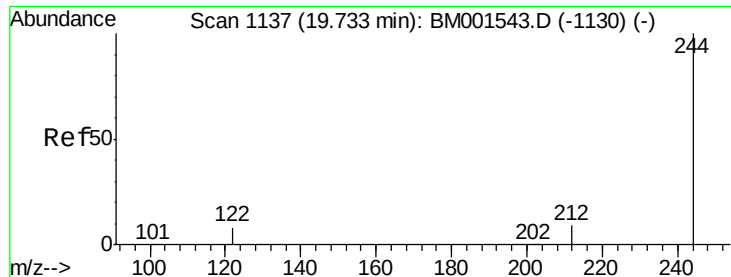
apatel
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#26
Pyrene
Concen: 0.97 ng
RT: 19.52 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.3	13.8	20.8





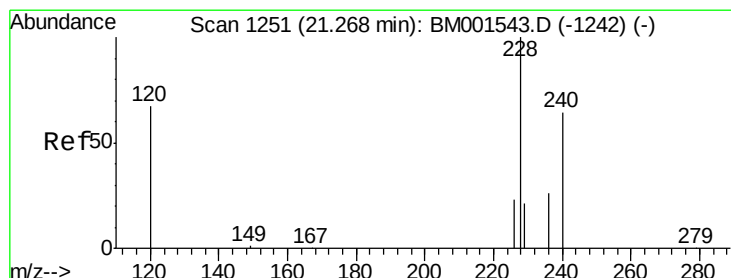
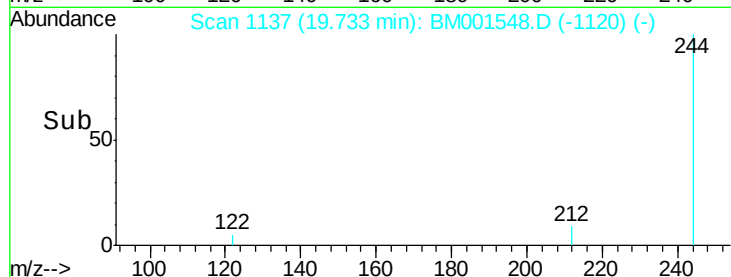
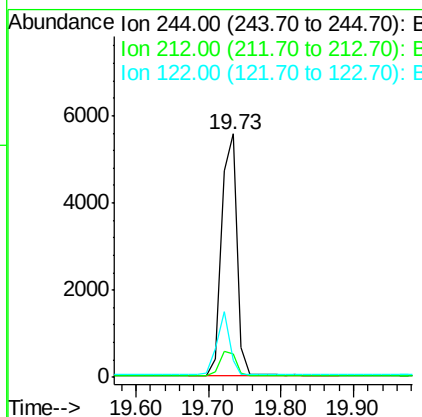
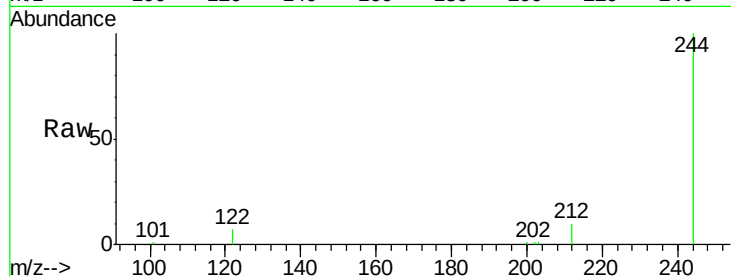
#27
 Terphenyl-d14
 Concen: 0.96 ng
 RT: 19.73 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.0	12.0
122	7.1	7.3	10.9

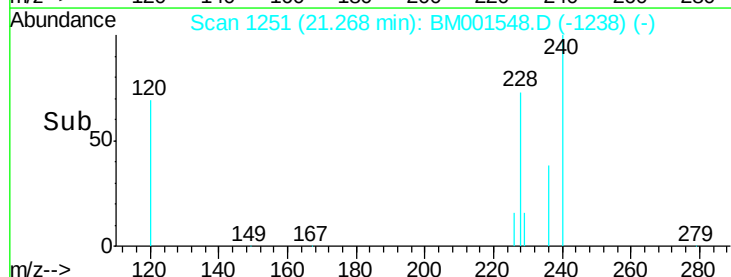
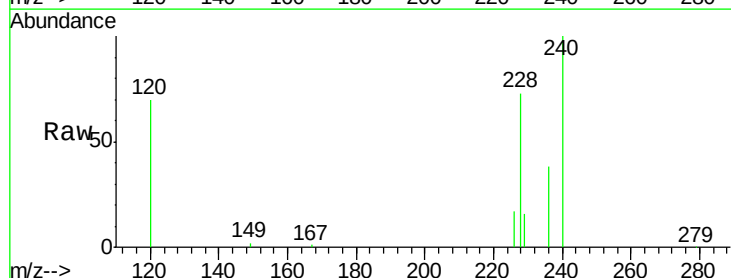
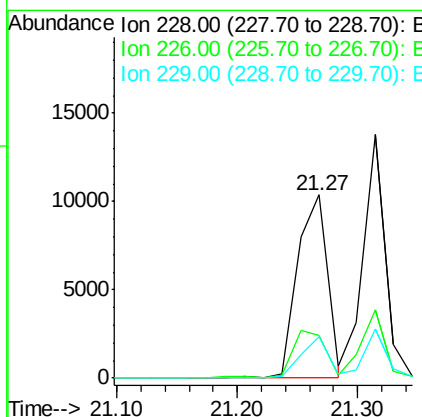
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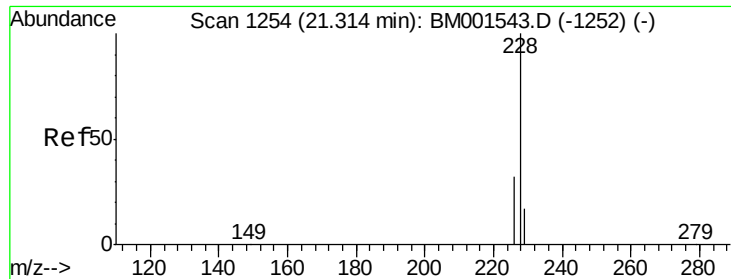
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#28
 Benzo(a)anthracene
 Concen: 0.92 ng
 RT: 21.27 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.0	19.0	28.4
229	22.5	16.9	25.3





#29

Chrysene

Concen: 1.01 ng

RT: 21.31 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM001548.D

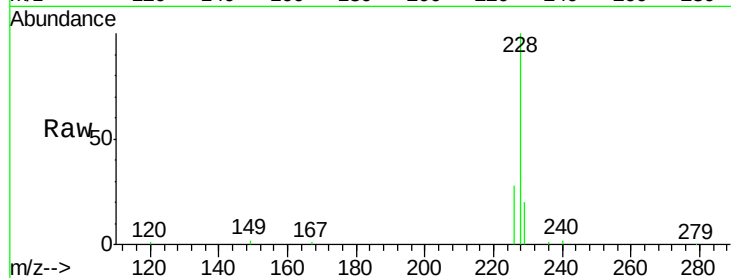
Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

ClientSampleId :

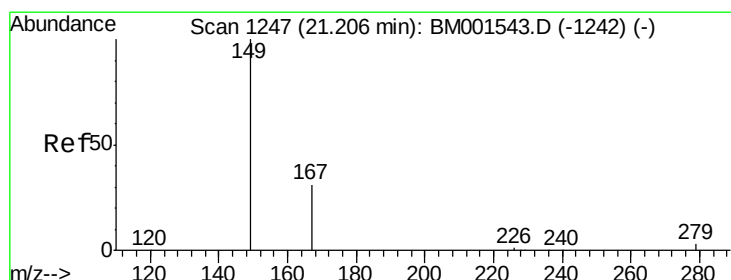
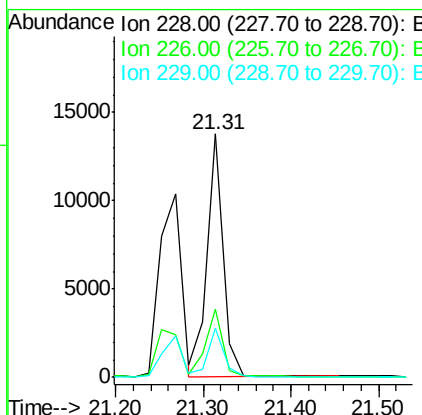
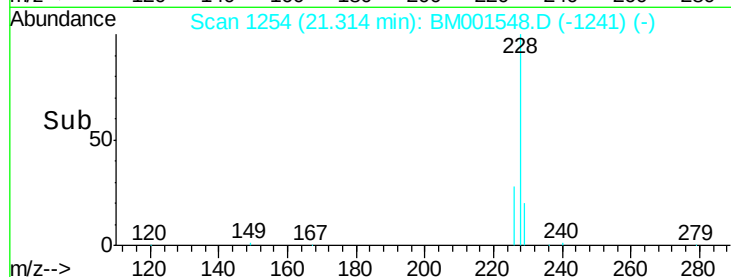
ICVBM060315



Tgt Ion:	228	Resp:	17413
Ion Ratio	Lower	Upper	
228	100		
226	28.1	25.2	37.8
229	19.9	14.7	22.1

Manual Integrations
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#30

Bis(2-ethylhexyl)phthalate

Concen: 0.85 ng

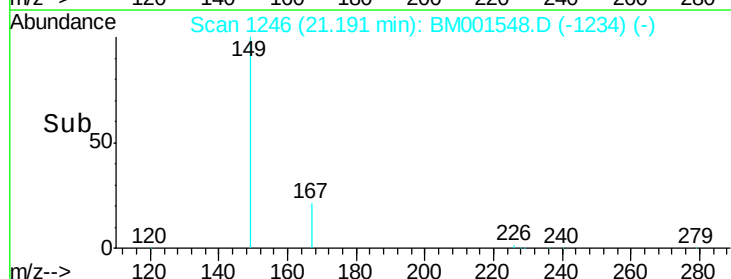
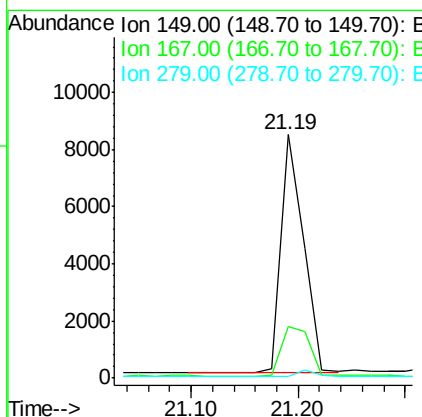
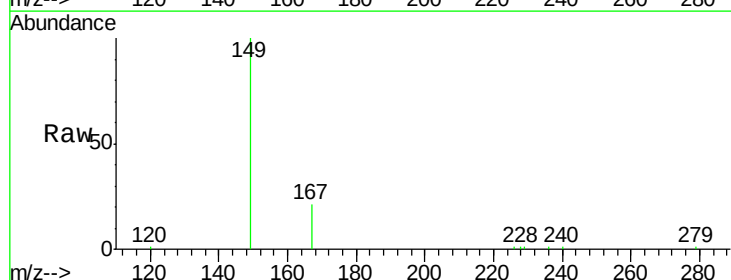
RT: 21.19 min Scan# 1246

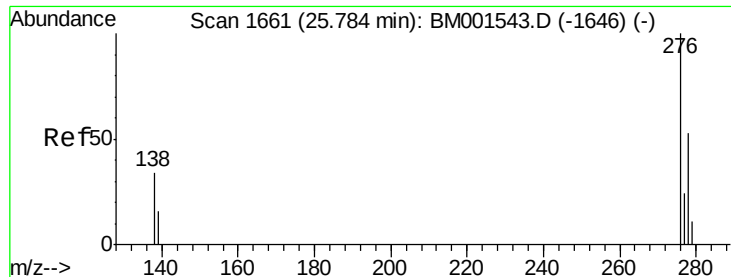
Delta R.T. -0.02 min

Lab File: BM001548.D

Acq: 03 Jun 2015 23:11

Tgt Ion:	149	Resp:	12039
Ion Ratio	Lower	Upper	
149	100		
167	25.6	20.5	30.7
279	2.2	1.7	2.5





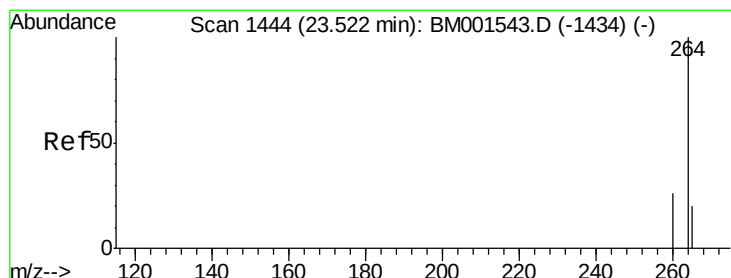
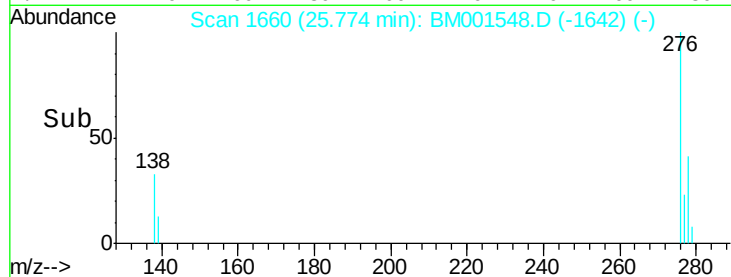
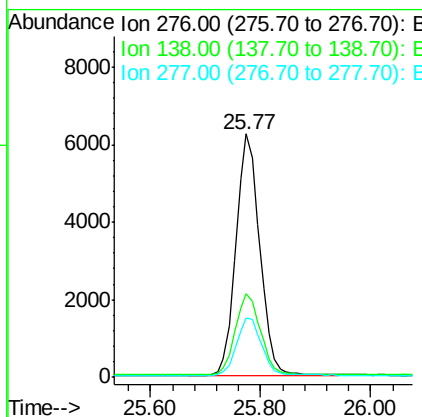
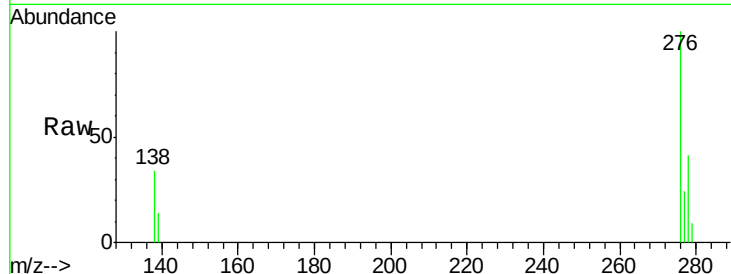
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.98 ng
 RT: 25.77 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	18669		
138	35.3	28.3	42.5	
277	24.6	19.6	29.4	

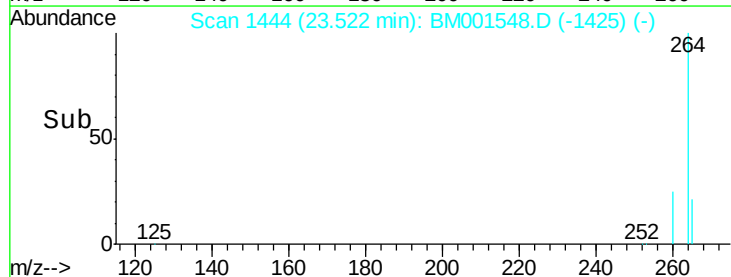
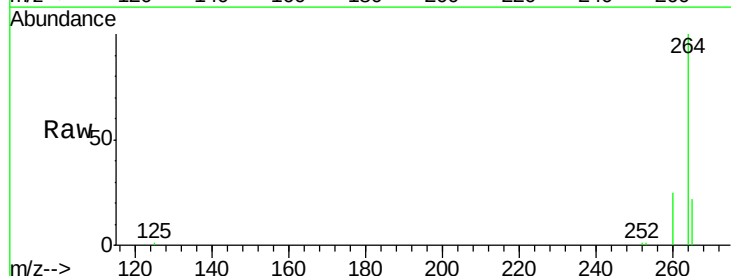
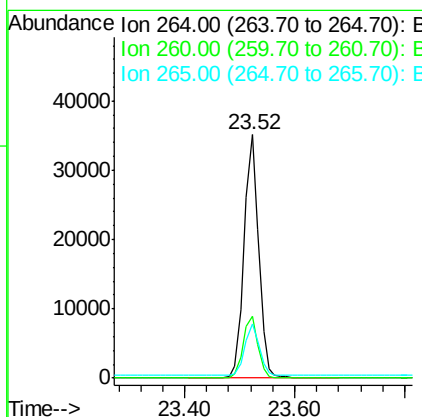
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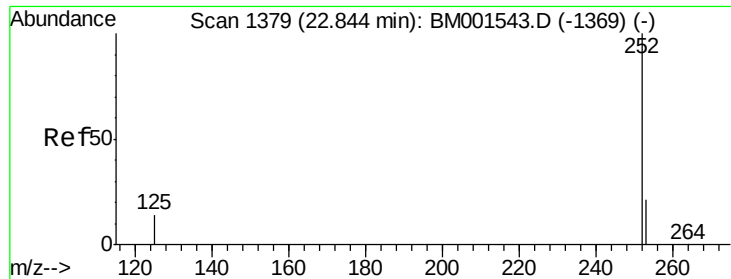
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	64536		
260	25.3	21.1	31.7	
265	22.0	17.1	25.7	





#33

Benzo(b)fluoranthene

Concen: 0.99 ng

RT: 22.84 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BM001548.D

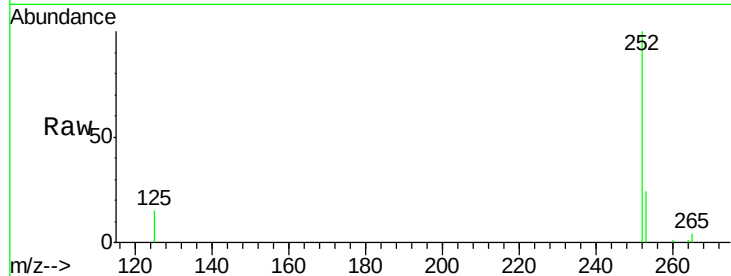
Acq: 03 Jun 2015 23:11

Instrument :

BNA_M

ClientSampleId :

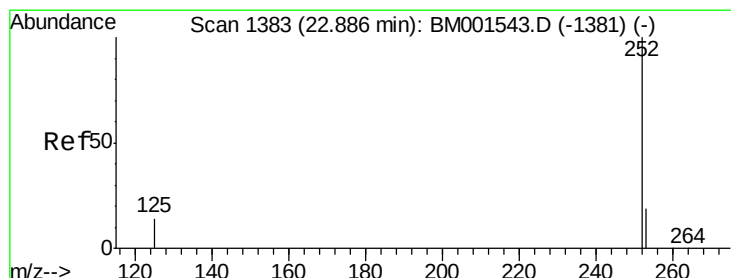
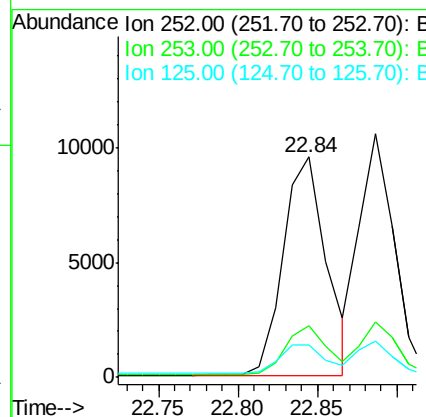
ICVBM060315



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	14.9	12.5	18.7

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#34

Benzo(k)fluoranthene

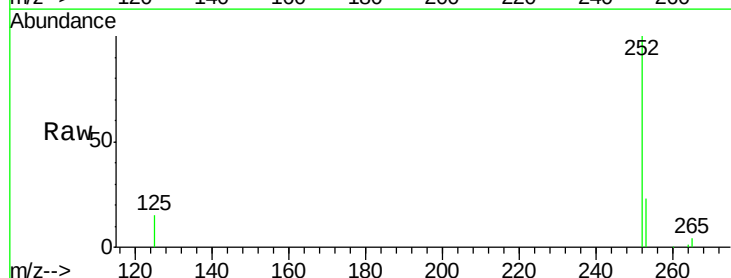
Concen: 0.96 ng

RT: 22.89 min Scan# 1383

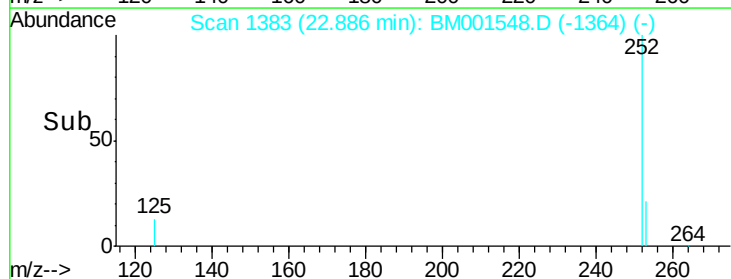
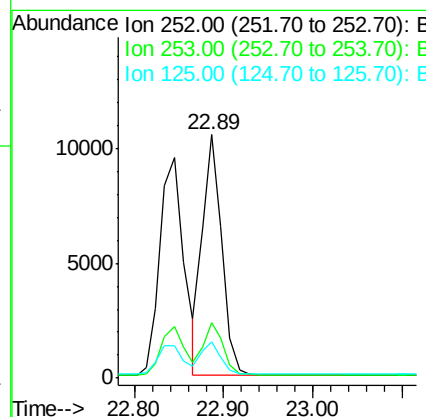
Delta R.T. 0.00 min

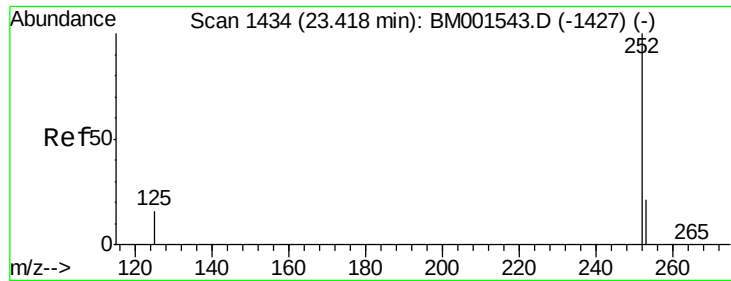
Lab File: BM001548.D

Acq: 03 Jun 2015 23:11



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	14.7	12.5	18.7





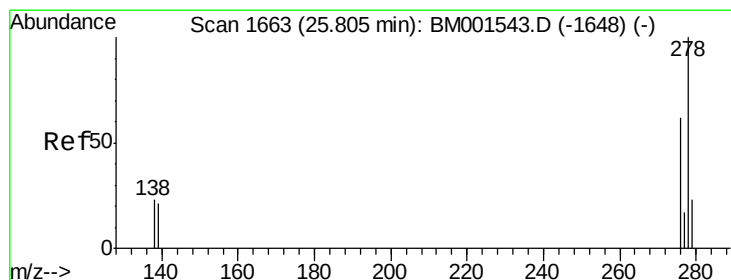
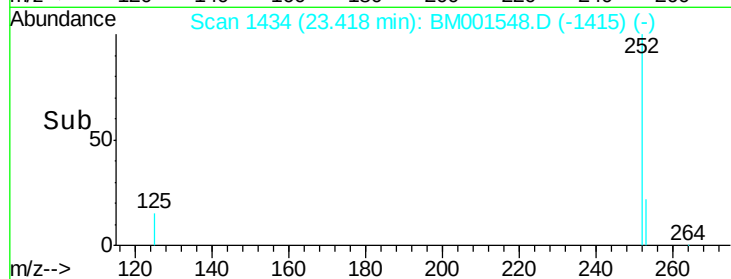
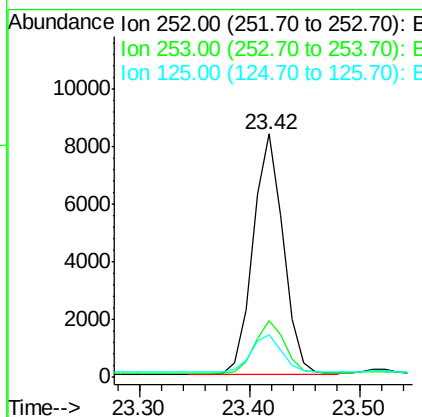
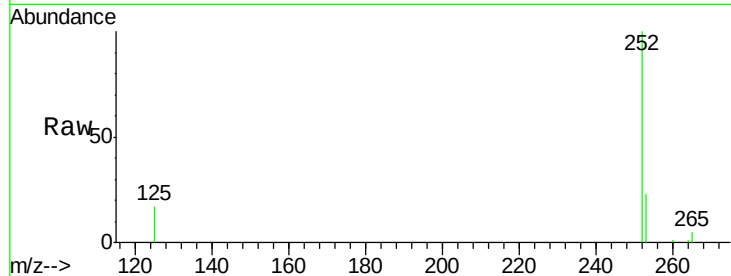
#35
Benzo(a)pyrene
Concen: 0.97 ng
RT: 23.42 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Instrument :
BNA_M
ClientSampleId :
ICVBM060315

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	17.4	14.3	21.5

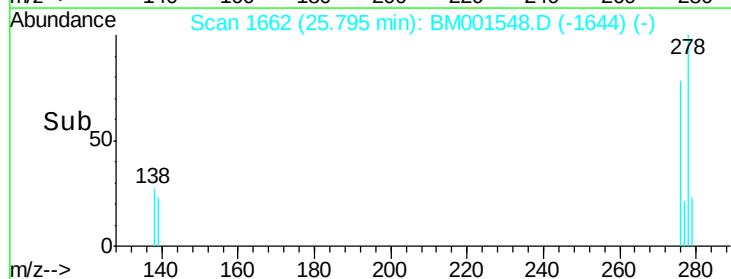
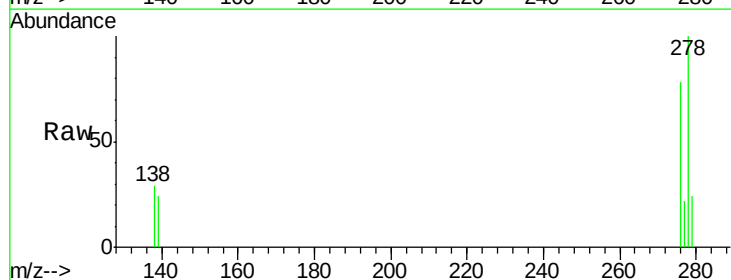
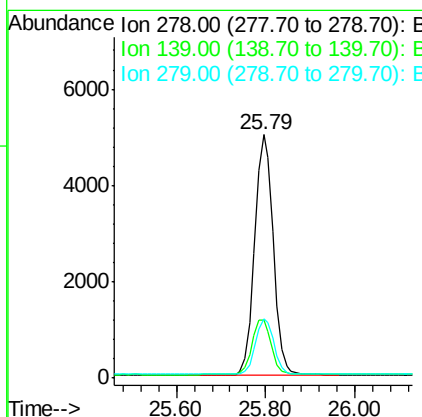
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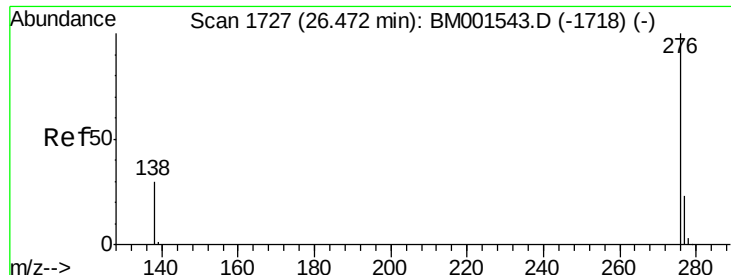
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#36
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 25.79 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BM001548.D
Acq: 03 Jun 2015 23:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.1	18.0	27.0
279	24.5	19.8	29.8





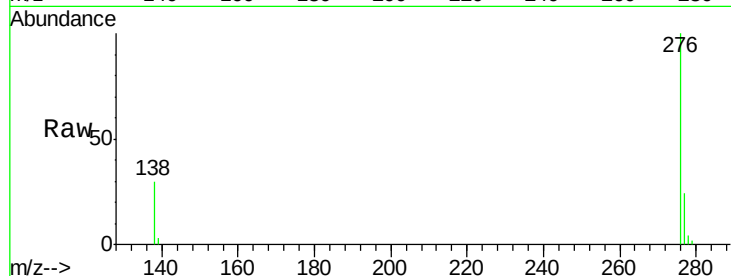
#37
 Benzo(g,h,i)perylene
 Concen: 0.97 ng
 RT: 26.47 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BM001548.D
 Acq: 03 Jun 2015 23:11

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM060315

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	24.3	19.3	28.9	
138	30.0	25.0	37.6	

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

