

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
 Data File : BM001748.D
 Acq On : 18 Jun 2015 21:59
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM061915

Manual Integrations
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Quant Time: Jun 19 05:13:28 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	18064	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	65521	5.00	ng	0.00
12) Acenaphthene-d10	14.31	164	32014	5.00	ng	-0.01
18) Phenanthrene-d10	17.06	188	79219	5.00	ng	0.00
25) Chrysene-d12	21.25	240	53508	5.00	ng	0.00
32) Perylene-d12	23.47	264	47775	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	3984	0.94	ng	0.00
5) Phenol-d6	6.83	99	5049	0.93	ng	0.00
7) Nitrobenzene-d5	8.83	82	4753	0.93	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	972	0.97	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	10772	0.94	ng	0.00
27) Terphenyl-d14	19.70	244	7453	0.95	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	2004	0.97	ng	99
3) n-Nitrosodimethylamine	3.48	42	3120	0.98	ng	96
8) Nitrobenzene	8.87	77	5153	0.94	ng	100
9) Naphthalene	10.49	128	15092	0.94	ng	100
10) Hexachlorobutadiene	10.78	225	2559	0.95	ng	99
11) 2-Methylnaphthalene	12.12	142	9682	0.95	ng	99
15) Acenaphthylene	14.03	152	14240	0.94	ng	100
16) Acenaphthene	14.37	154	8952	0.94	ng	99
17) Fluorene	15.36	166	8120	0.99	ng	98
19) 4-Bromophenyl-phenylether	16.24	248	3292	1.01	ng	91
20) Hexachlorobenzene	16.38	284	2075	0.93	ng	# 100
21) Pentachlorophenol	16.72	266	927	0.93	ng	98
22) Phenanthrene	17.09	178	24543	0.90	ng	98
23) Anthracene	17.19	178	10430m	0.91	ng	
24) Fluoranthene	19.12	202	16482	0.96	ng	100
26) Pyrene	19.48	202	17343	0.93	ng	100
28) Benzo(a)anthracene	21.24	228	15083	0.94	ng	98
29) Chrysene	21.28	228	16332	0.96	ng	98
30) Bis(2-ethylhexyl)phthalate	21.16	149	8592	0.92	ng	100
31) Indeno(1,2,3-cd)pyrene	25.70	276	15271	0.94	ng	100
33) Benzo(b)fluoranthene	22.79	252	15275	0.97	ng	95
34) Benzo(k)fluoranthene	22.84	252	12684	0.90	ng	99
35) Benzo(a)pyrene	23.37	252	12417	0.94	ng	98
36) Dibenzo(a,h)anthracene	25.72	278	12289	0.94	ng	99
37) Benzo(g,h,i)perylene	26.39	276	12905	0.94	ng	99

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

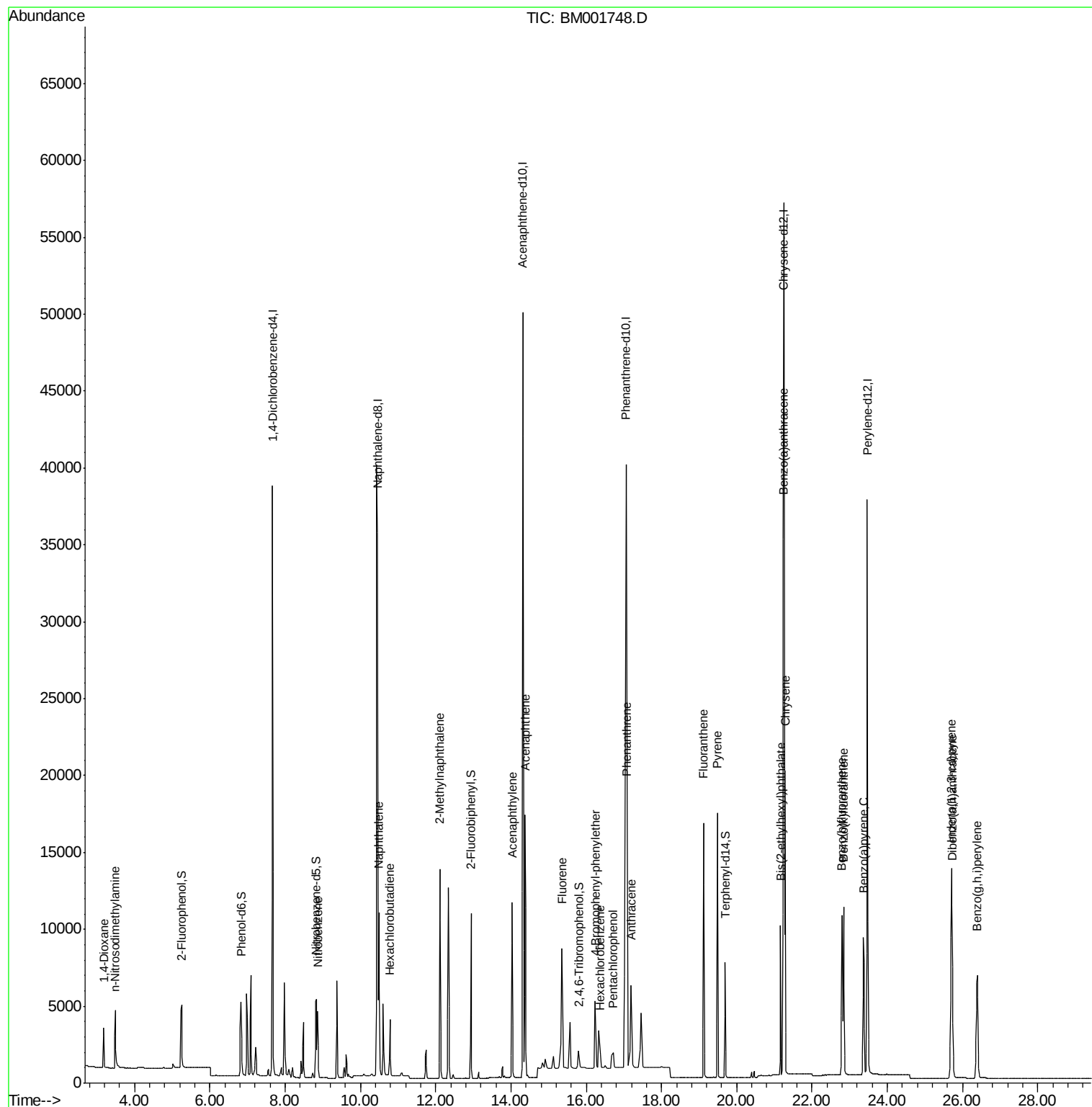
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001748.D
Acq On : 18 Jun 2015 21:59
Operator : TP/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

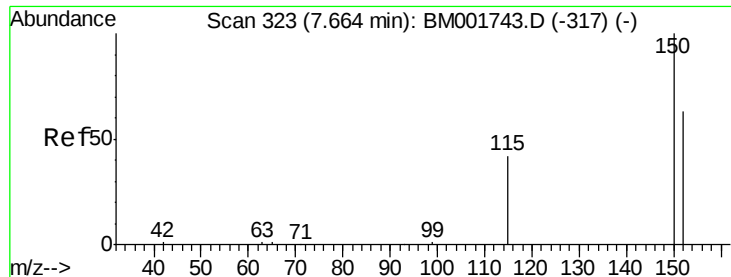
Instrument :
BNA_M
ClientSampleId :
ICVBM061915

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Quant Time: Jun 19 05:13:28 2015
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QLast Update : Fri Jun 19 05:05:14 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001748.D

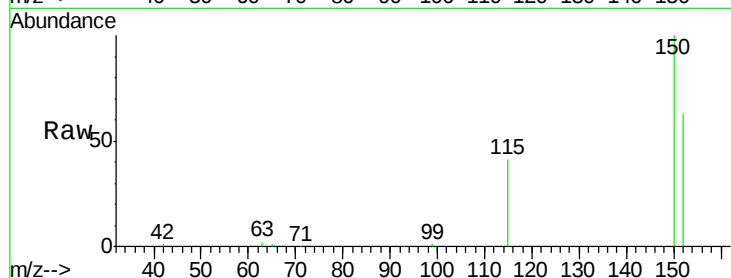
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

ICVBM061915



Tgt Ion: 152 Resp: 18064

Ion Ratio Lower Upper

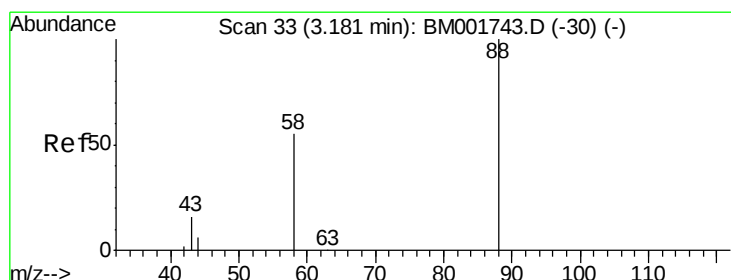
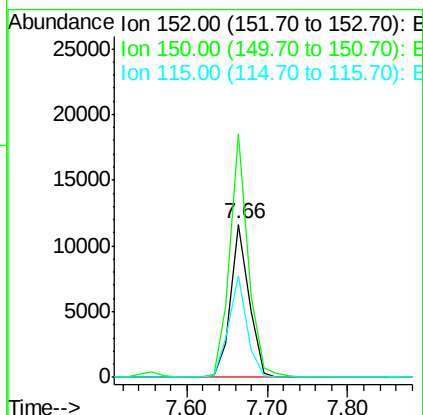
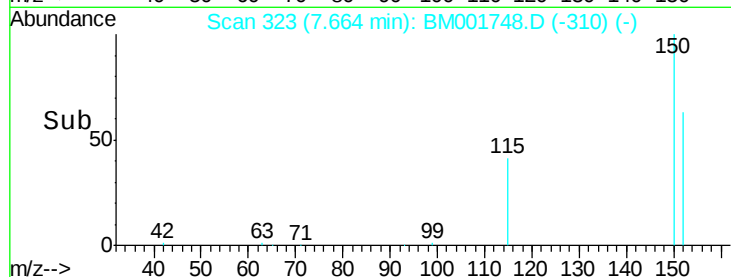
152 100

150 159.4 127.5 191.3

115 66.1 53.2 79.8

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#2

1,4-Dioxane

Concen: 0.97 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

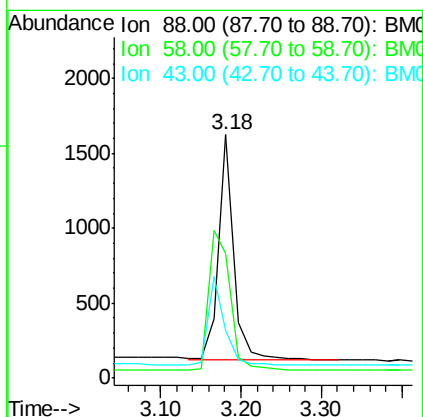
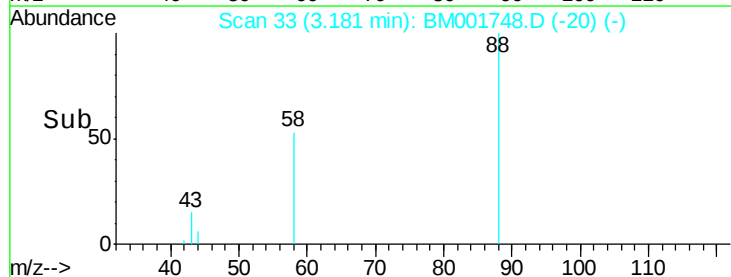
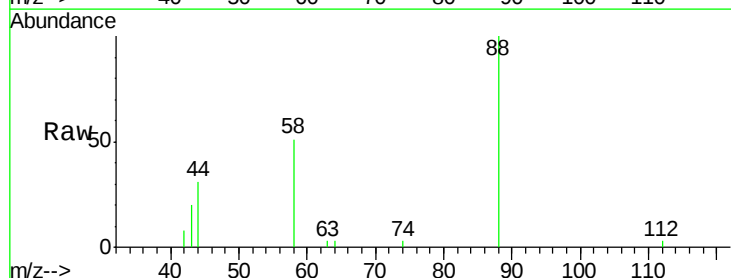
Tgt Ion: 88 Resp: 2004

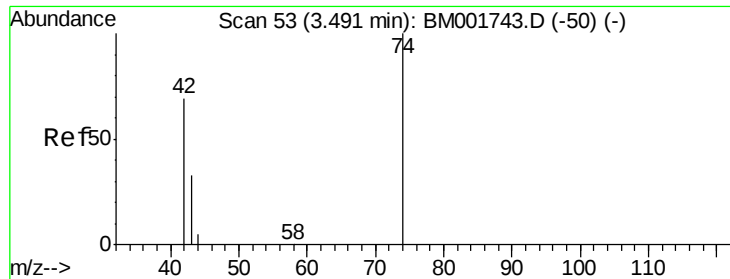
Ion Ratio Lower Upper

88 100

58 86.2 68.3 102.5

43 41.8 32.6 48.8





#3

n-Nitrosodimethylamine

Concen: 0.98 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

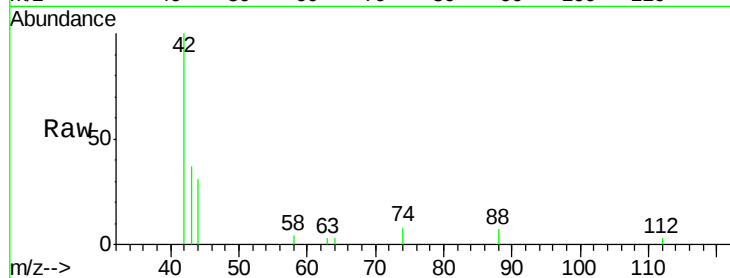
ClientSampleId :

ICVBM061915

Tgt Ion:	42	Resp:	3120
Ion	Ratio	Lower	Upper
42	100		
74	93.8	78.6	118.0
44	6.5	5.0	7.6

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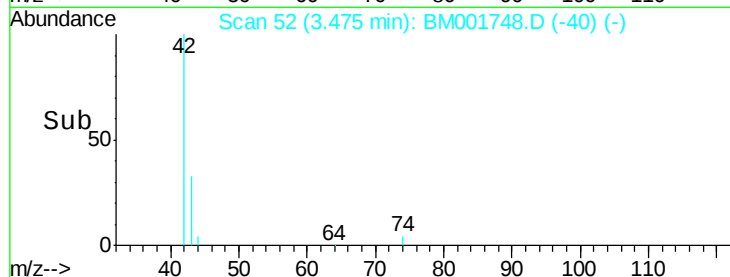
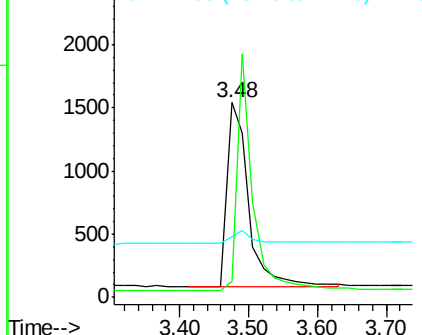


Abundance

Ion 42.00 (41.70 to 42.70): BM001743.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM001743.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001743.D (-50) (-)



#4

2-Fluorophenol

Concen: 0.94 ng

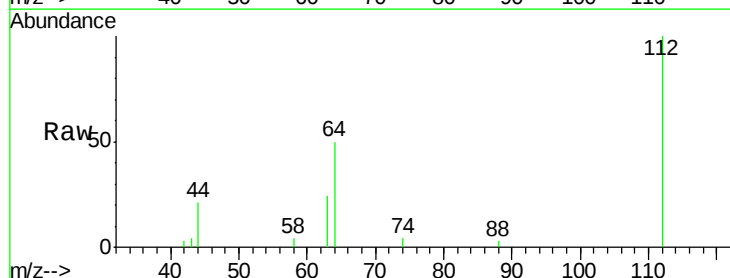
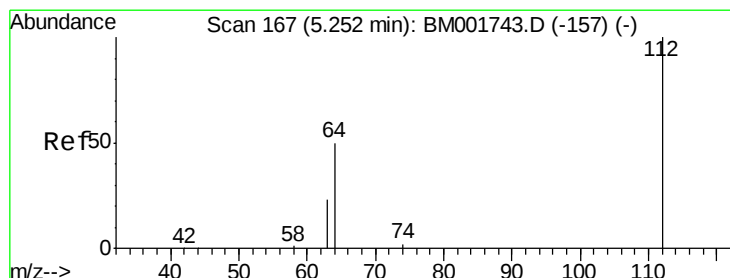
RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion:	112	Resp:	3984
Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.6	83.4
63	38.7	30.2	45.2

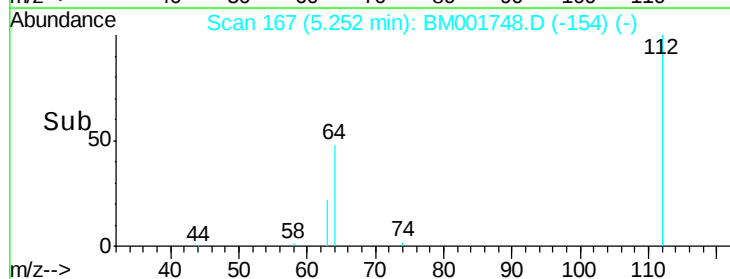
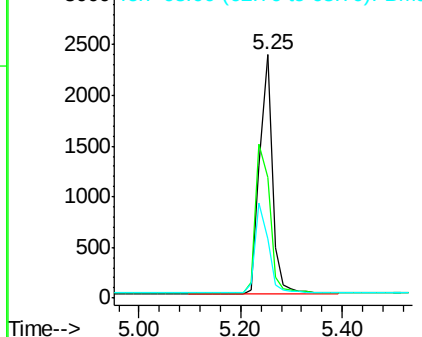


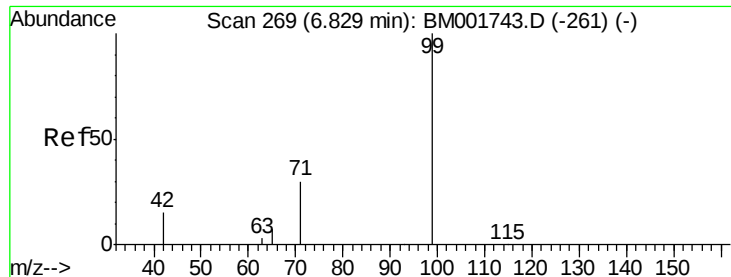
Abundance

Ion 112.00 (111.70 to 112.70): BM001743.D (-157) (-)

Ion 64.00 (63.70 to 64.70): BM001743.D (-157) (-)

Ion 63.00 (62.70 to 63.70): BM001743.D (-157) (-)





#5

Phenol-d6

Concen: 0.93 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

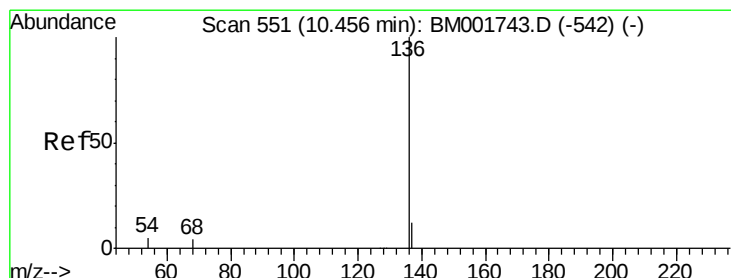
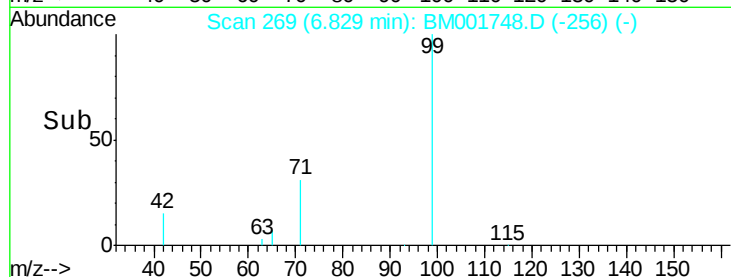
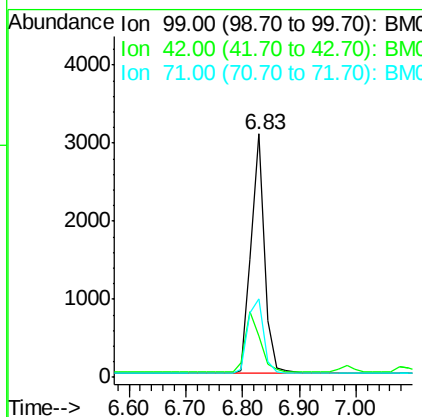
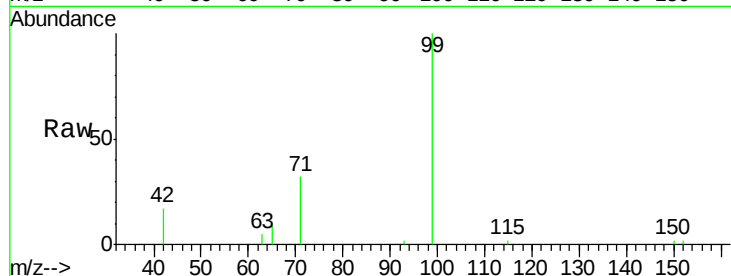
ClientSampleId :

ICVBM061915

Tgt Ion:	99	Resp:	5049
Ion	Ratio	Lower	Upper
99	100		
42	27.6	21.4	32.0
71	36.4	28.3	42.5

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#6

Naphthalene-d8

Concen: 5.00 ng

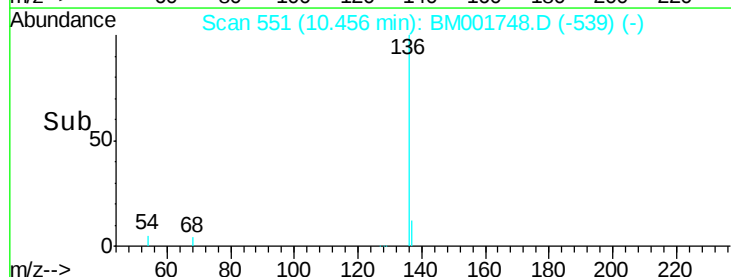
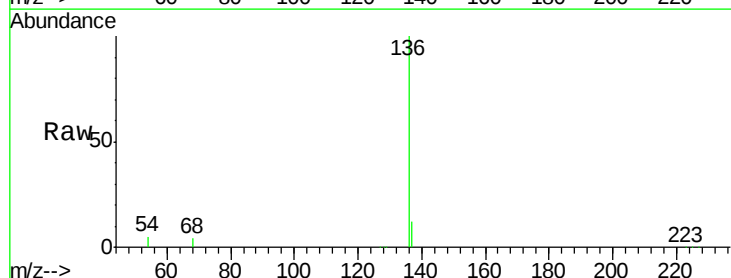
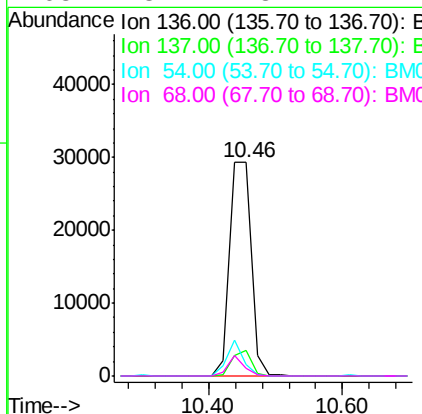
RT: 10.46 min Scan# 551

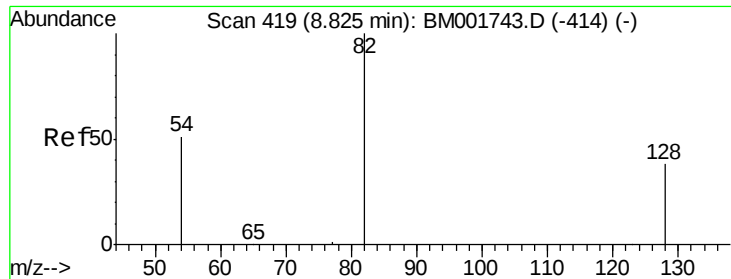
Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion:	136	Resp:	65521
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.0
54	5.4	4.4	6.6
68	3.7	3.1	4.7





#7

Nitrobenzene-d5

Concen: 0.93 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001748.D

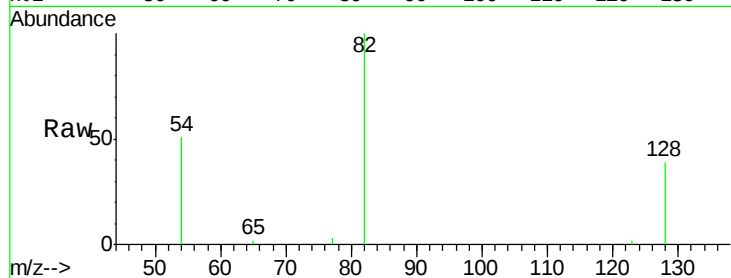
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

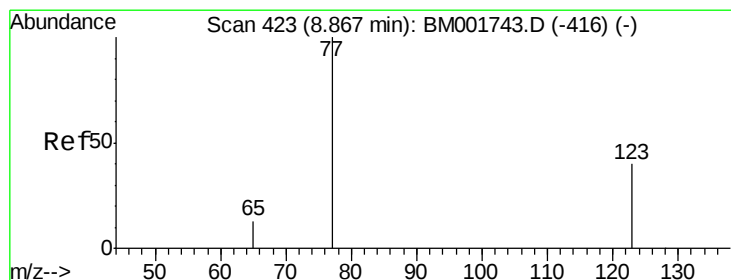
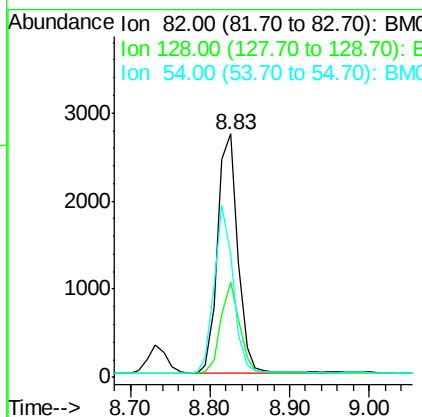
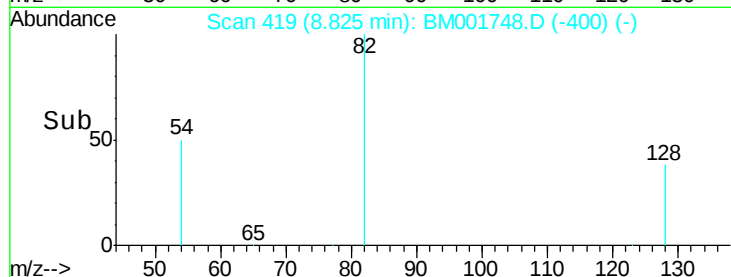
ICVBM061915



Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.3	46.9
54	50.7	41.9	62.9

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#8

Nitrobenzene

Concen: 0.94 ng

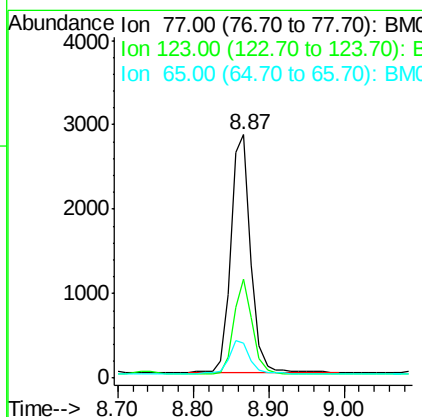
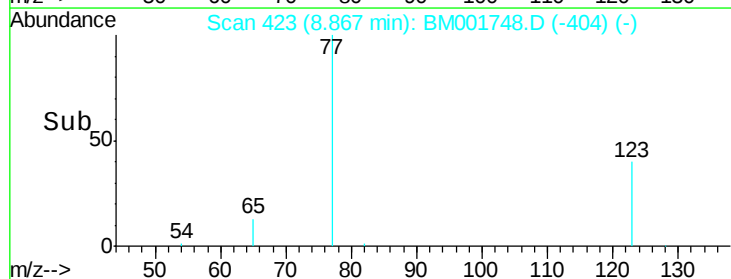
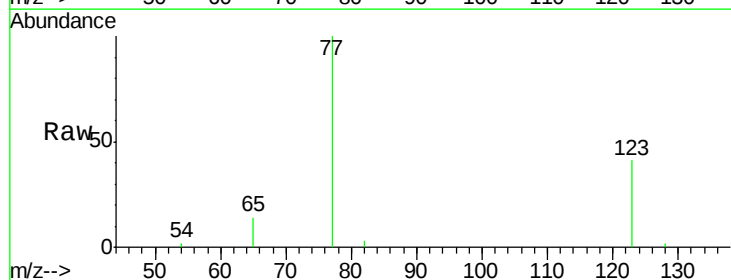
RT: 8.87 min Scan# 423

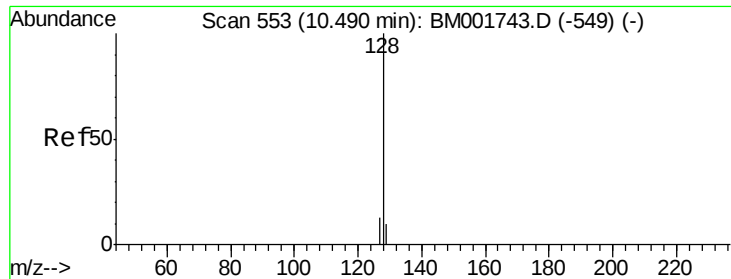
Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.4	30.1	45.1
65	14.1	11.3	16.9





#9

Naphthalene

Concen: 0.94 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001748.D

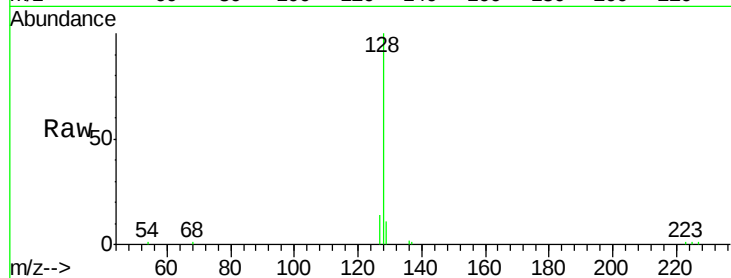
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

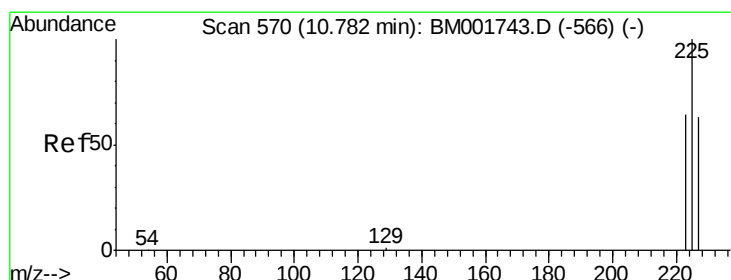
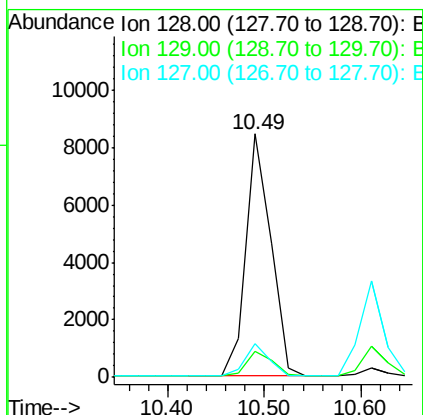
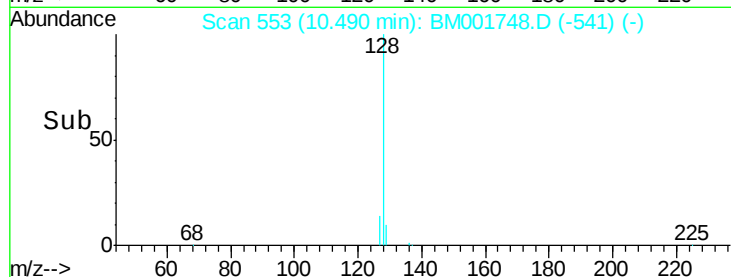
ICVBM061915



Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	14.1	11.2	16.8

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#10

Hexachlorobutadiene

Concen: 0.95 ng

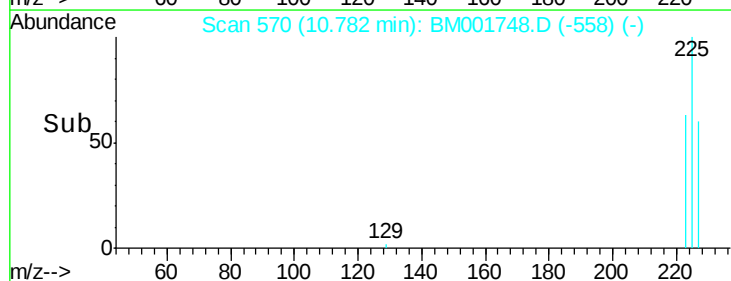
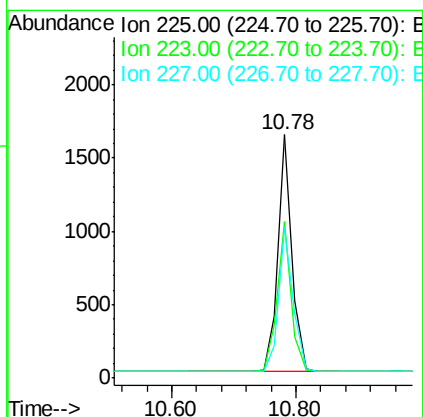
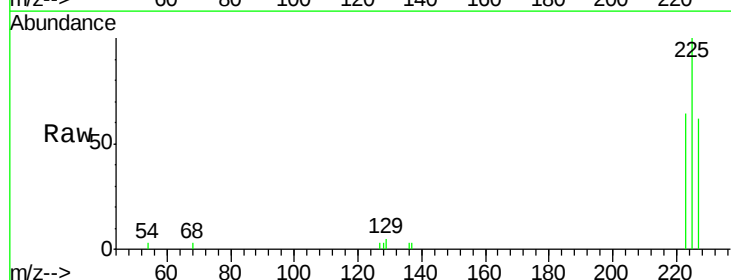
RT: 10.78 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.4
227	63.1	51.8	77.8





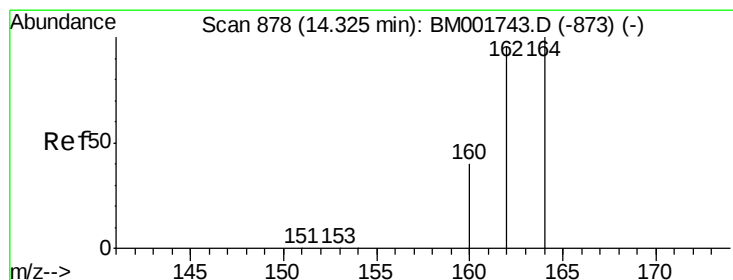
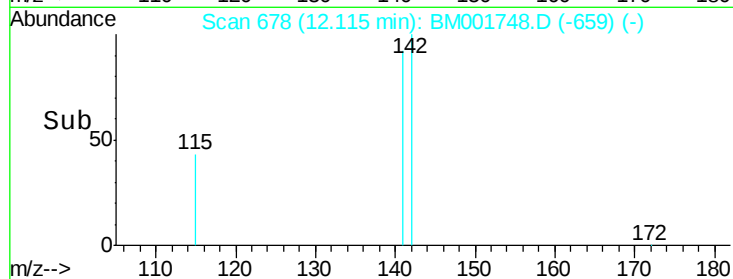
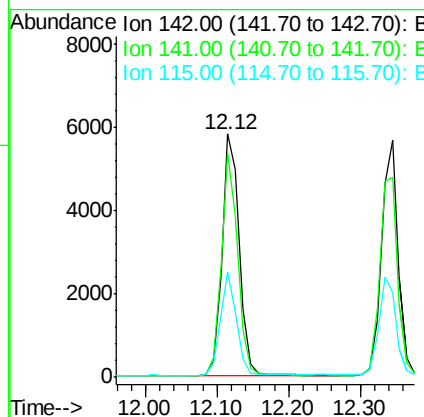
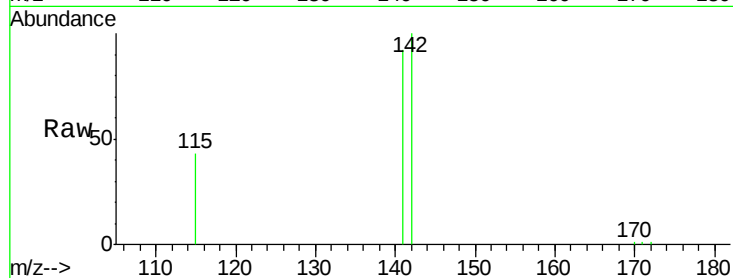
#11
2-Methylnaphthalene
Concen: 0.95 ng
RT: 12.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Instrument :
BNA_M
ClientSampleId :
ICVBM061915

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.6	110.4
115	43.3	34.1	51.1

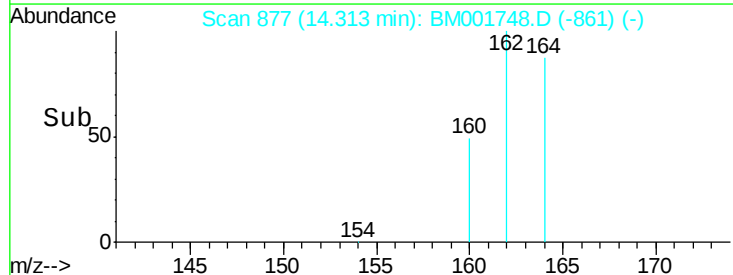
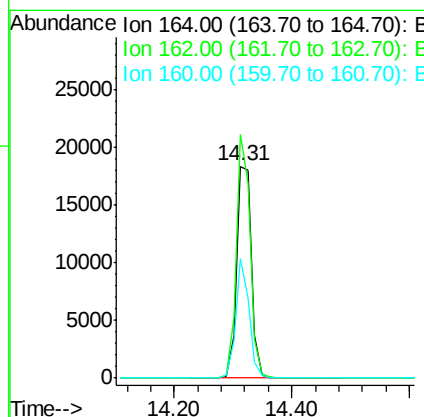
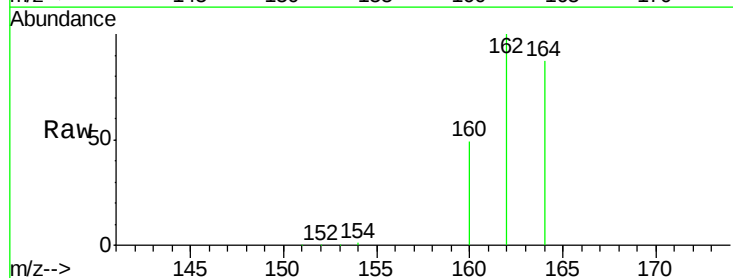
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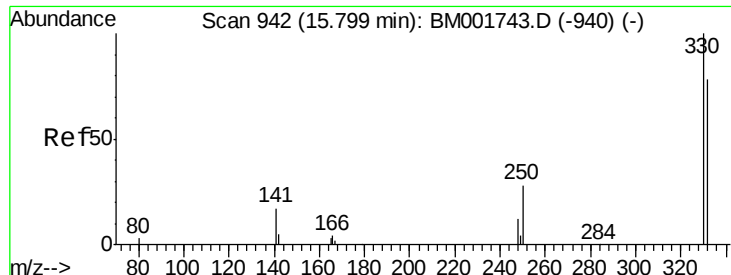
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 877
Delta R.T. -0.01 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	114.8	76.6	114.8
160	56.3	31.8	47.8#





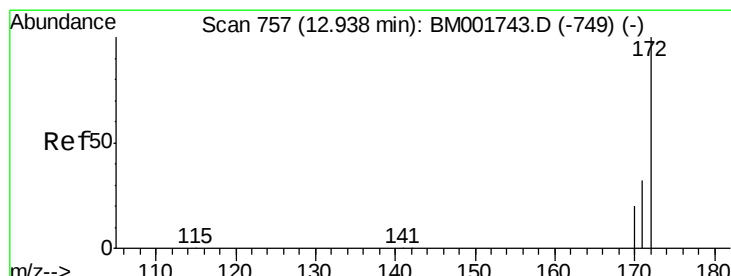
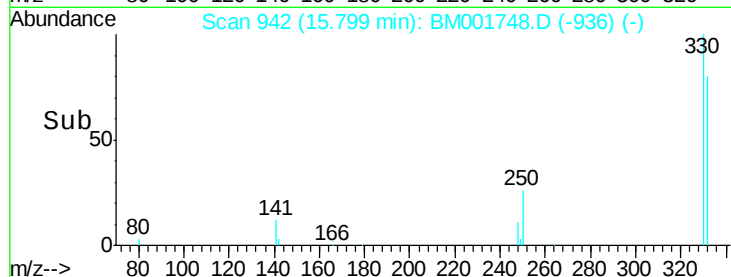
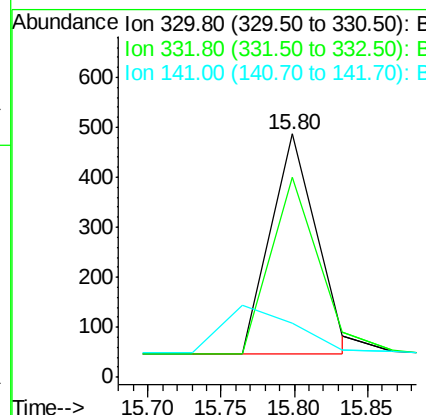
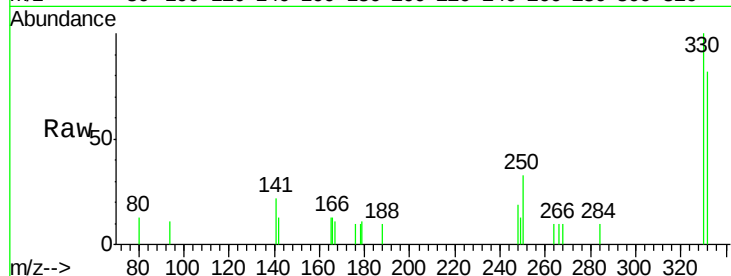
#13
 2,4,6-Tribromophenol
 Concen: 0.97 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM061915

Tgt Ion	Ratio	Lower	Upper
330	100		
332	83.2	65.8	98.8
141	0.0	0.0	0.0

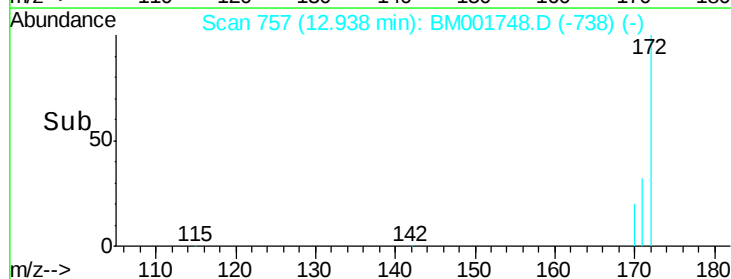
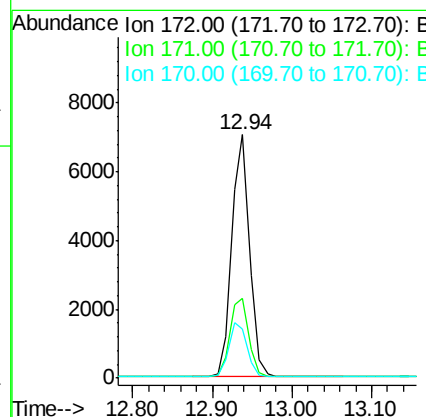
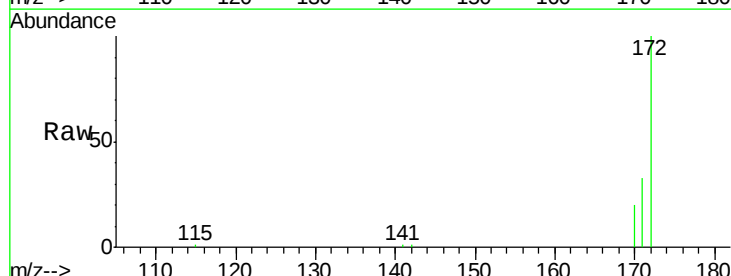
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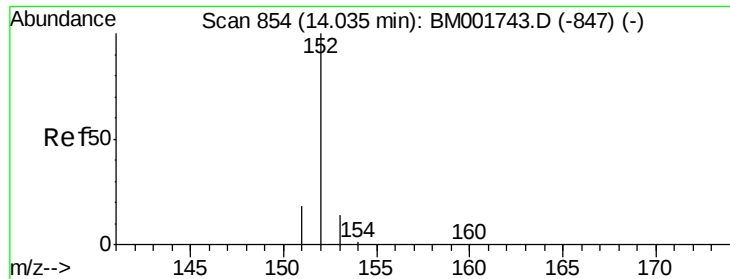
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#14
 2-Fluorobiphenyl
 Concen: 0.94 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.2	39.2
170	20.3	16.6	24.8





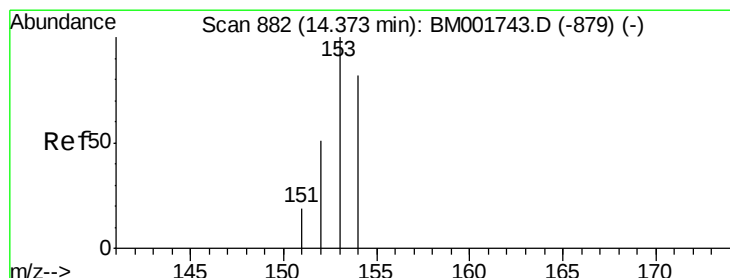
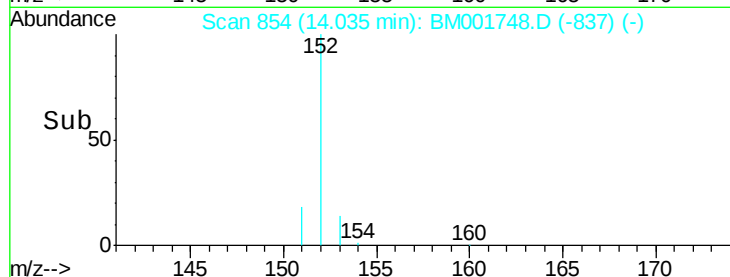
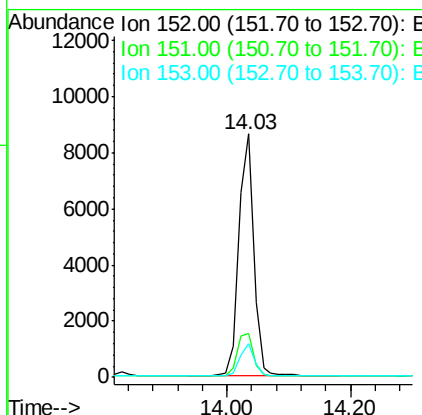
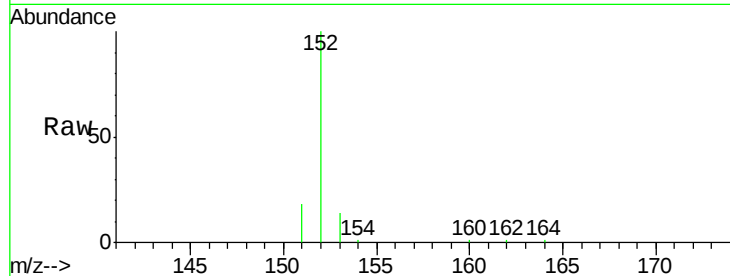
#15
Acenaphthylene
Concen: 0.94 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Instrument :
BNA_M
ClientSampleId :
ICVBM061915

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.9	10.4	15.6

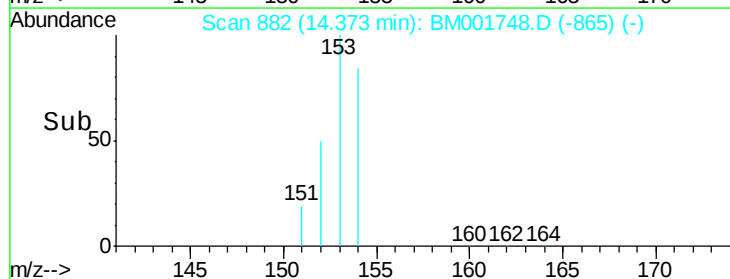
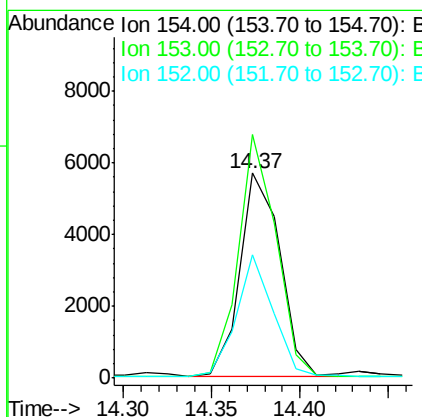
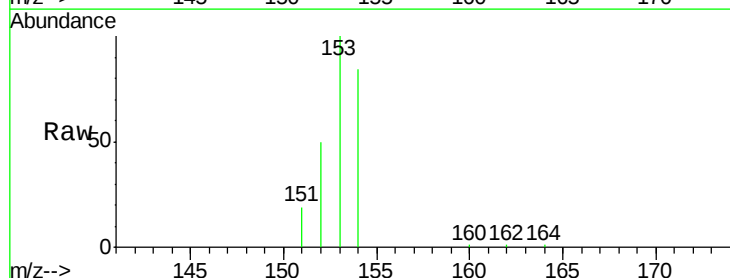
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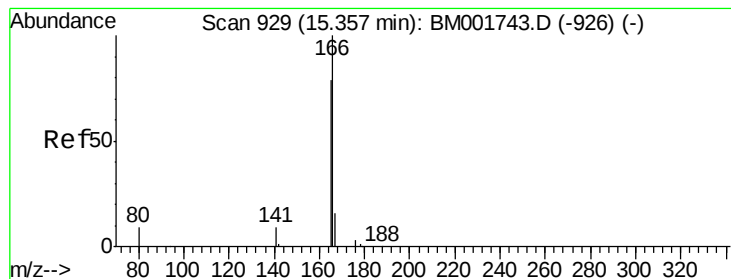
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#16
Acenaphthene
Concen: 0.94 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.0	135.0
152	54.5	44.2	66.4





#17

Fluorene

Concen: 0.99 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001748.D

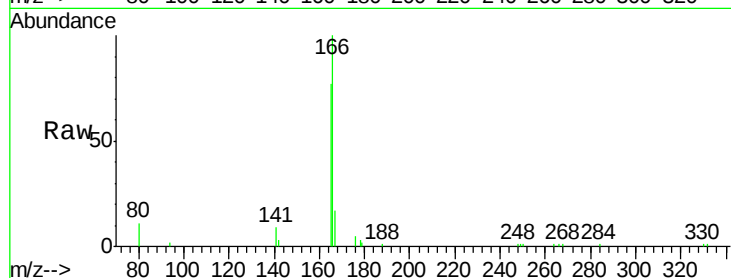
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

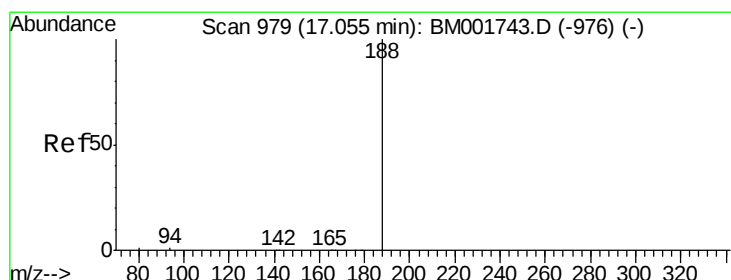
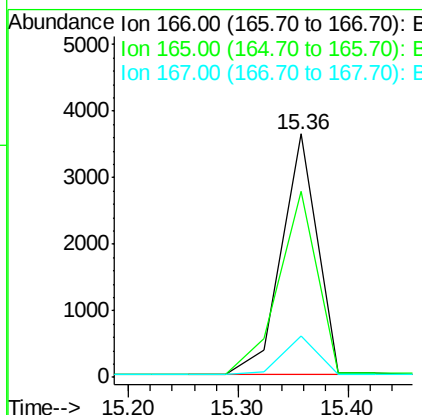
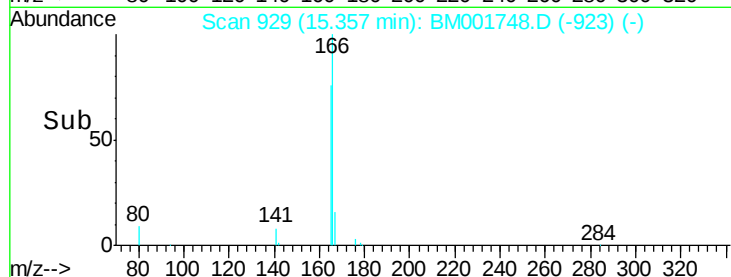
ICVBM061915



Tgt Ion:	166	Resp:	8120
Ion Ratio	Lower	Upper	
166	100		
165	83.1	68.2	102.2
167	15.4	12.2	18.2

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#18

Phenanthrene-d10

Concen: 5.00 ng

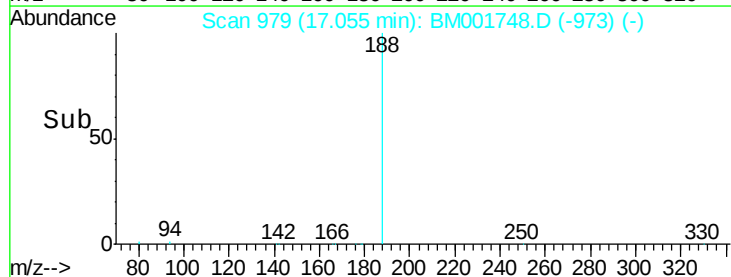
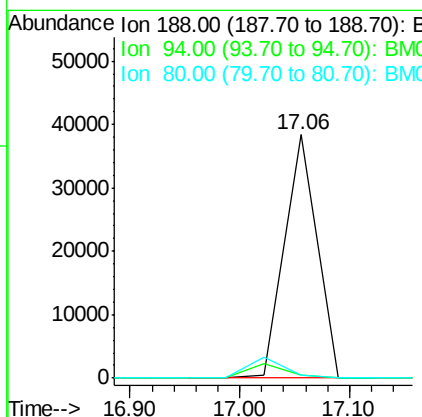
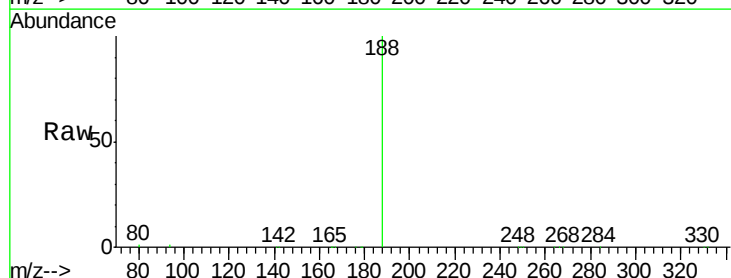
RT: 17.06 min Scan# 979

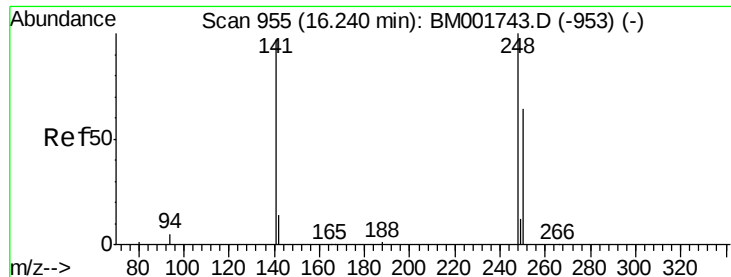
Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion:	188	Resp:	79219
Ion Ratio	Lower	Upper	
188	100		
94	1.2	1.3	1.9#
80	1.0	1.0	1.6#





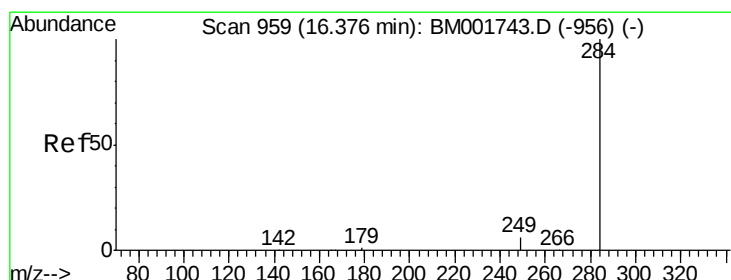
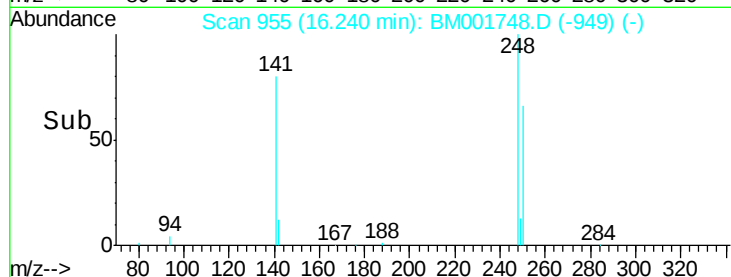
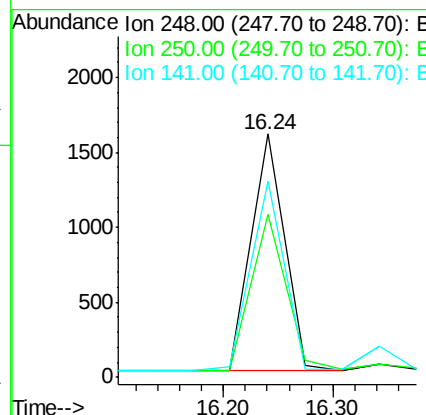
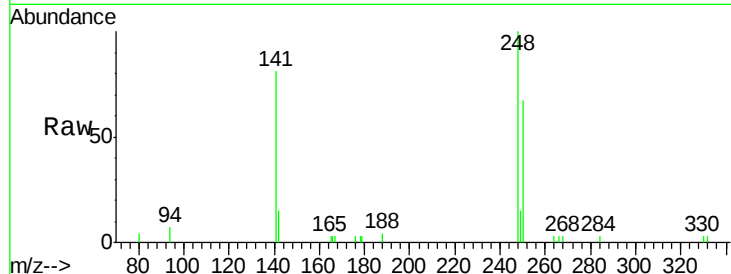
#19
4-Bromophenyl-phenylether
Concen: 1.01 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Instrument :
BNA_M
ClientSampleId :
ICVBM061915

Tgt Ion	Ratio	Lower	Upper
248	100		
250	68.9	54.8	82.2
141	80.5	76.2	114.4

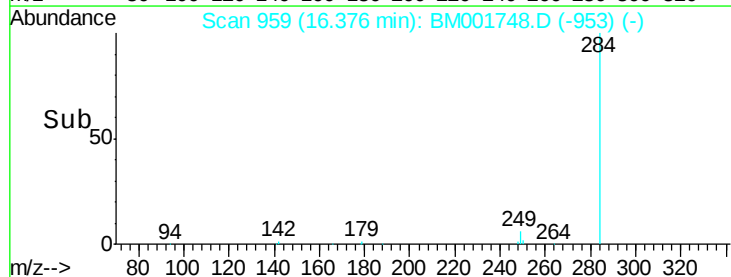
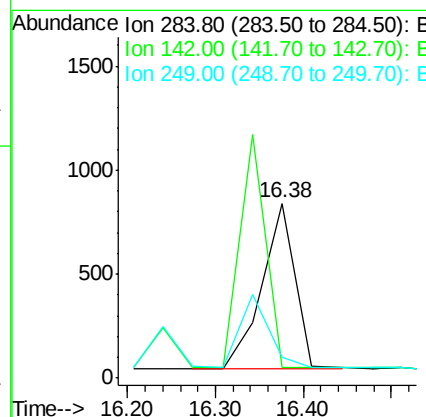
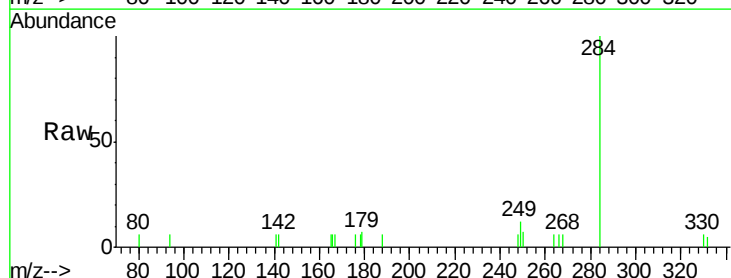
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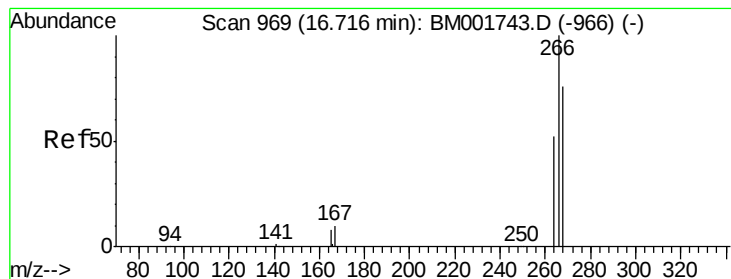
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#20
Hexachlorobenzene
Concen: 0.93 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

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





#21

Pentachlorophenol

Concen: 0.93 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001748.D

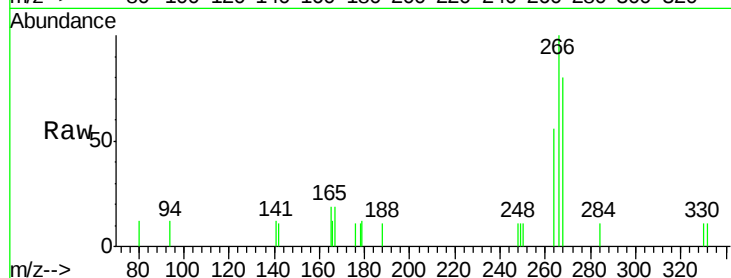
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

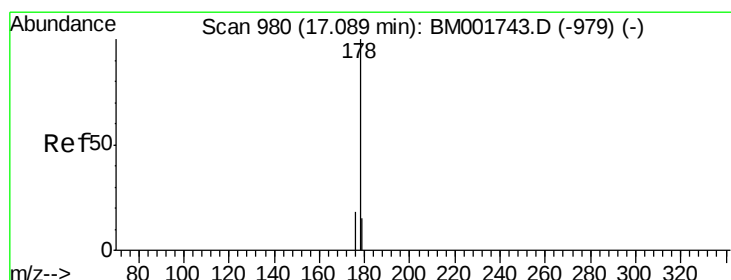
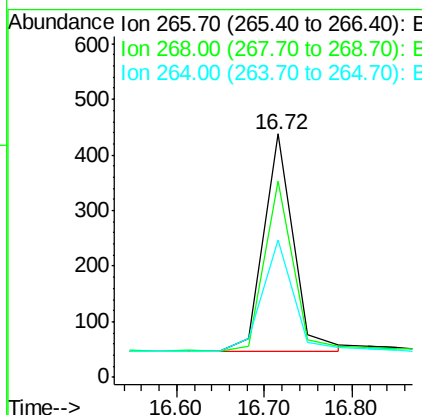
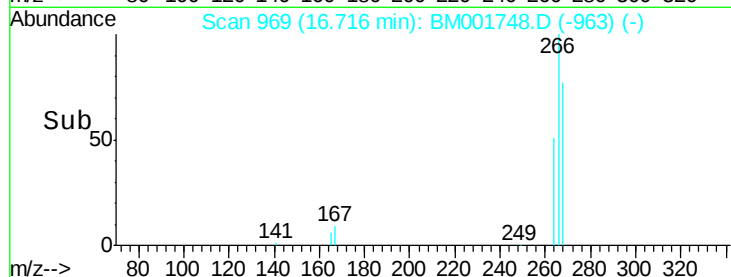
ICVBM061915



Tgt Ion	Ratio	Lower	Upper
266	100		
268	80.4	63.2	94.8
264	56.2	46.2	69.2

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#22

Phenanthrene

Concen: 0.90 ng

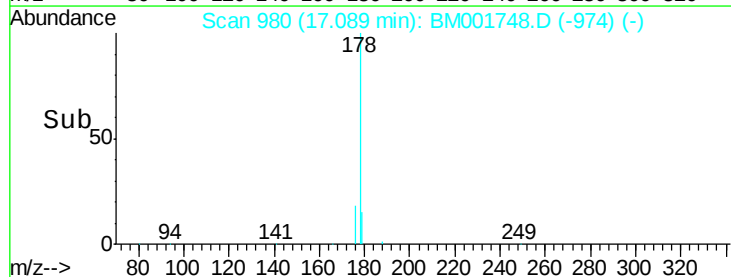
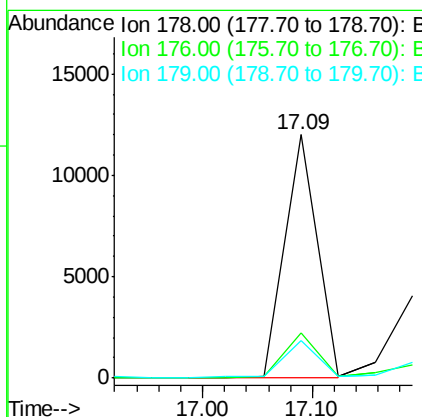
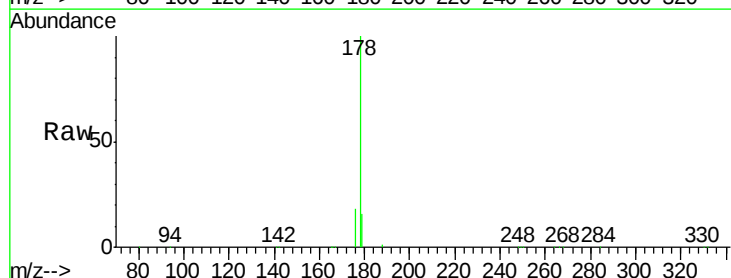
RT: 17.09 min Scan# 980

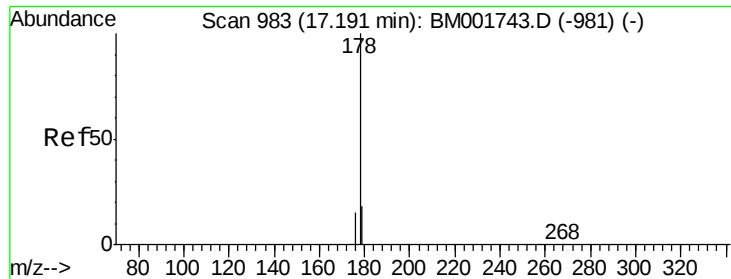
Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.6	12.6	19.0





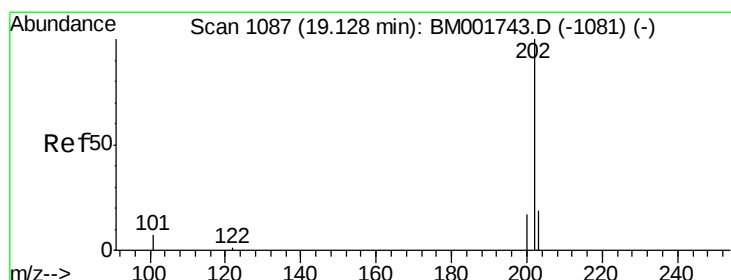
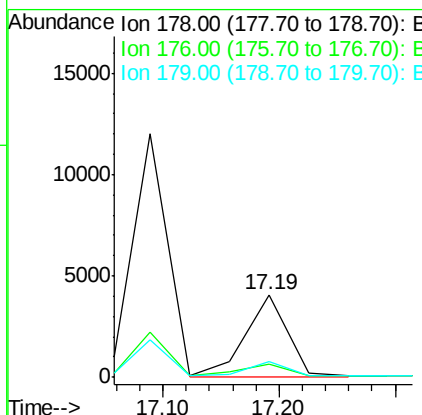
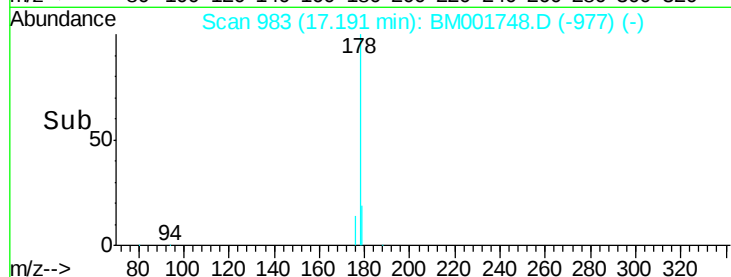
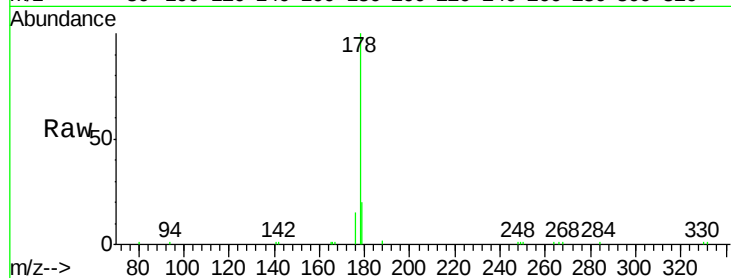
#23
 Anthracene
 Concen: 0.91 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM061915

Tgt Ion	Ratio	Lower	Upper
178	100		
176	11.4	10.0	15.0
179	14.7	12.3	18.5

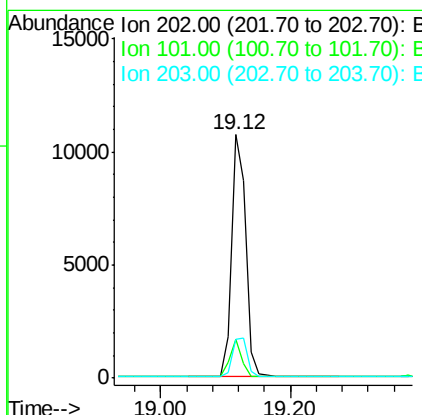
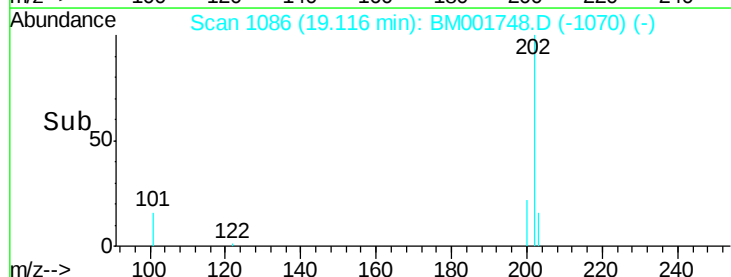
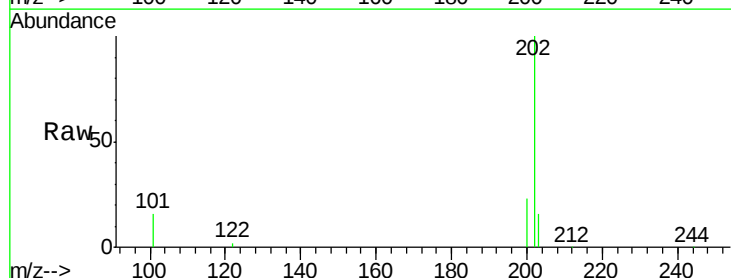
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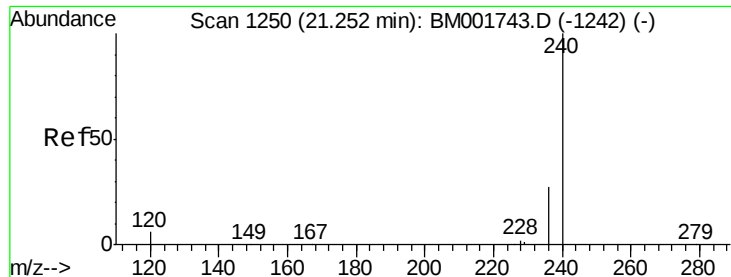
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#24
 Fluoranthene
 Concen: 0.96 ng
 RT: 19.12 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.8	16.2
203	17.3	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

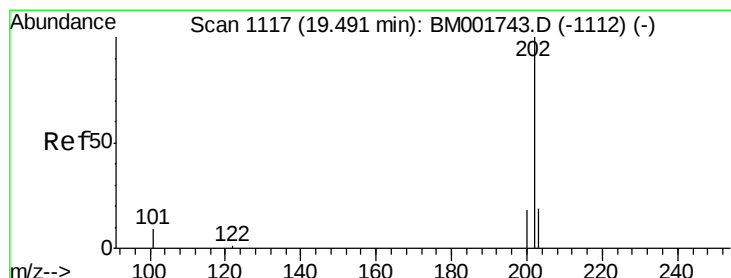
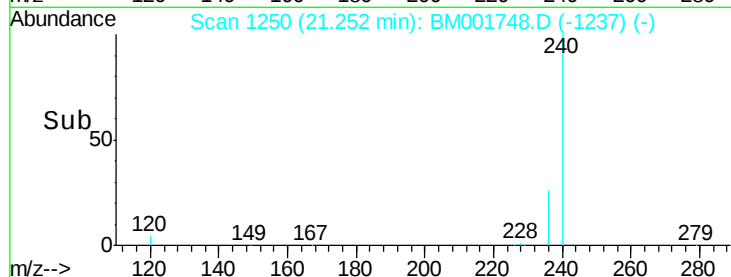
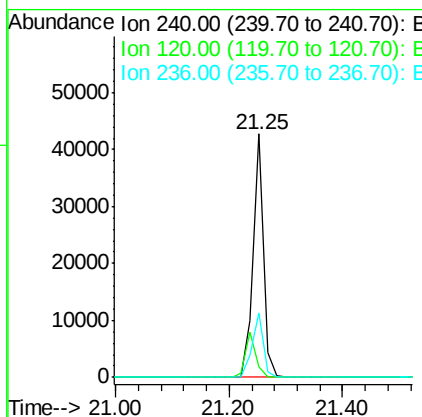
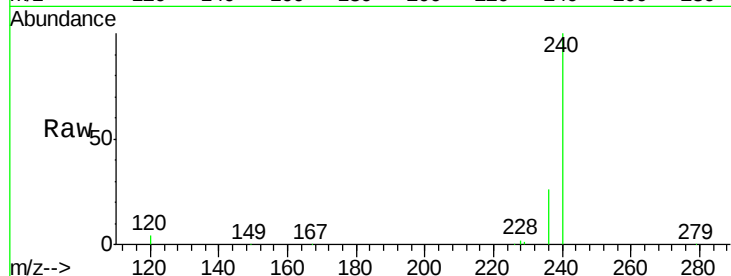
ClientSampleId :

ICVBM061915

Tgt Ion:240 Resp: 53508
 Ion Ratio Lower Upper
 240 100
 120 4.5 4.7 7.1#
 236 26.3 21.6 32.4

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#26

Pyrene

Concen: 0.93 ng

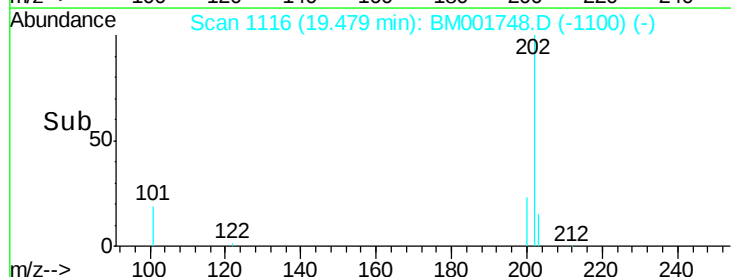
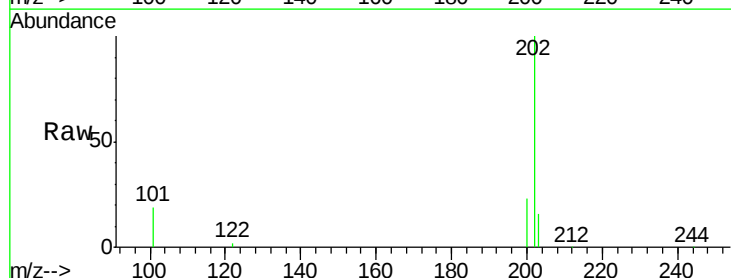
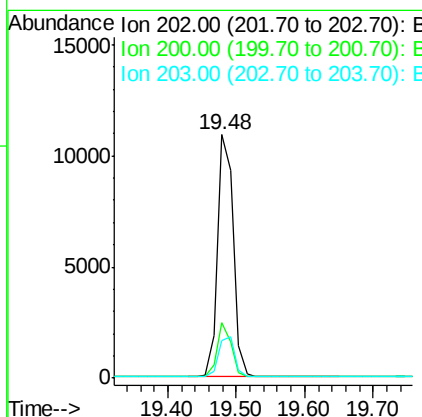
RT: 19.48 min Scan# 1116

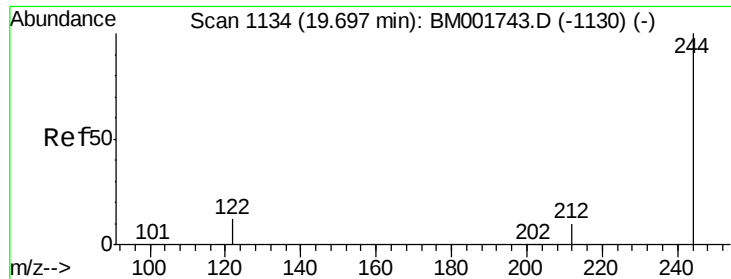
Delta R.T. -0.01 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion:202 Resp: 17343
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 17.3 13.9 20.9





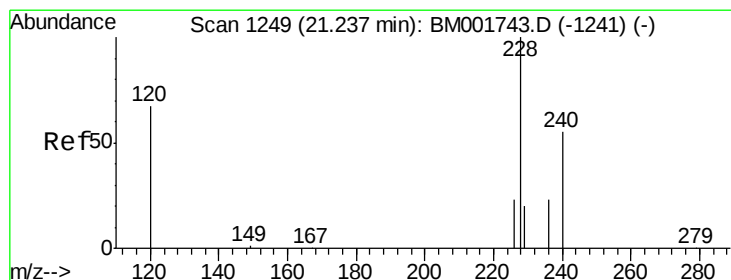
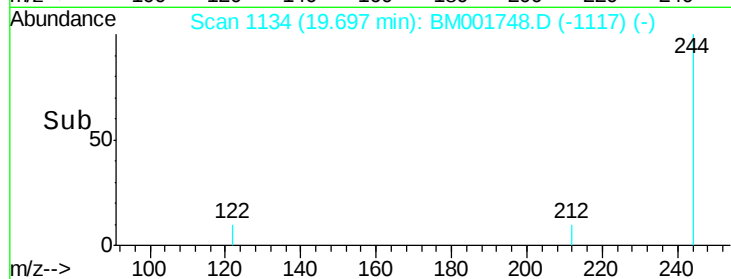
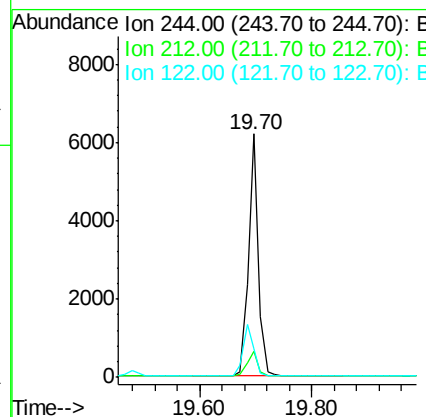
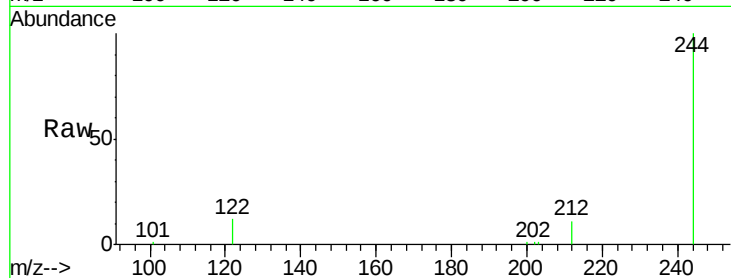
#27
 Terphenyl-d14
 Concen: 0.95 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM061915

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.6	13.0
122	11.8	10.6	15.8

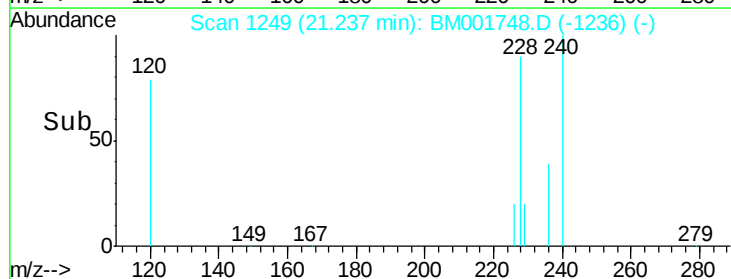
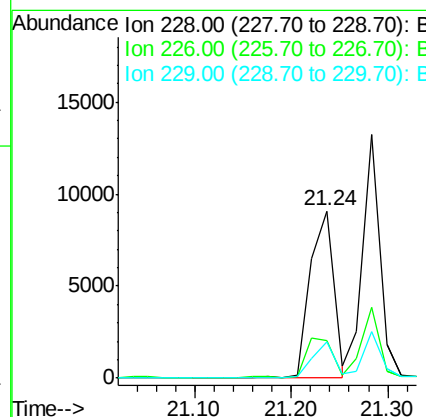
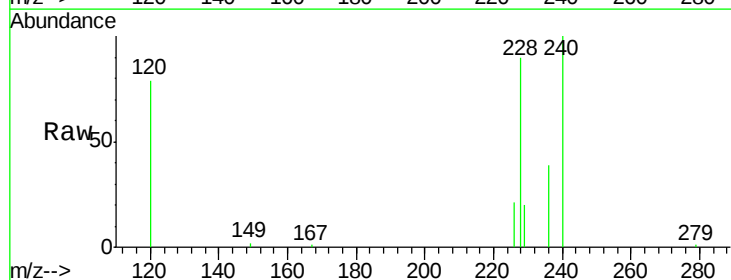
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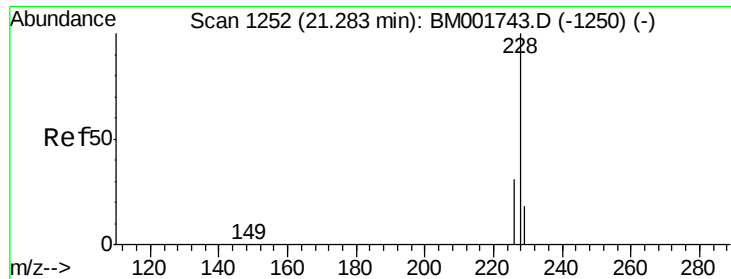
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#28
 Benzo(a)anthracene
 Concen: 0.94 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.8	18.9	28.3
229	22.1	16.6	25.0





#29

Chrysene

Concen: 0.96 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

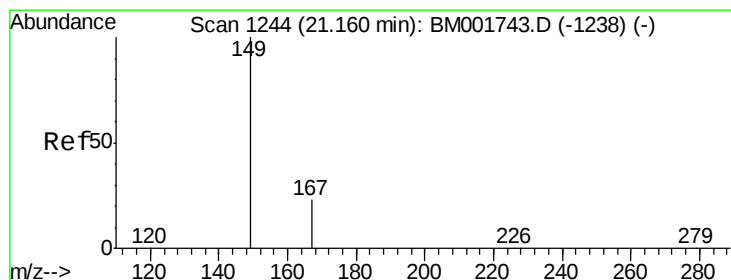
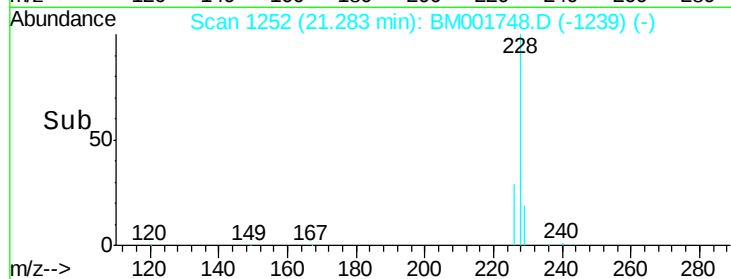
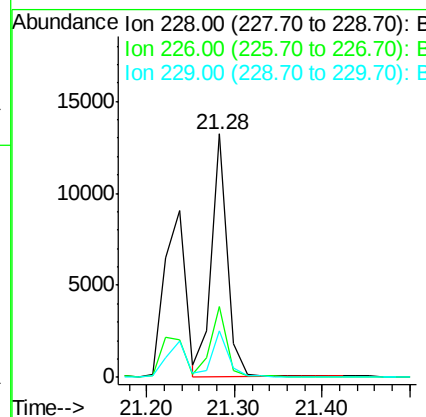
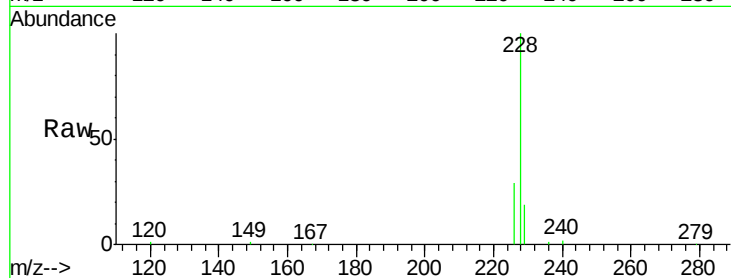
ClientSampleId :

ICVBM061915

Tgt Ion:	228	Resp:	16332
Ion Ratio		Lower	Upper
228	100		
226	28.9	24.3	36.5
229	19.2	15.0	22.6

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#30

Bis(2-ethylhexyl)phthalate

Concen: 0.92 ng

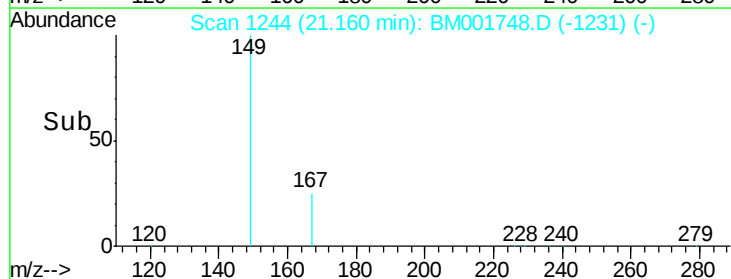
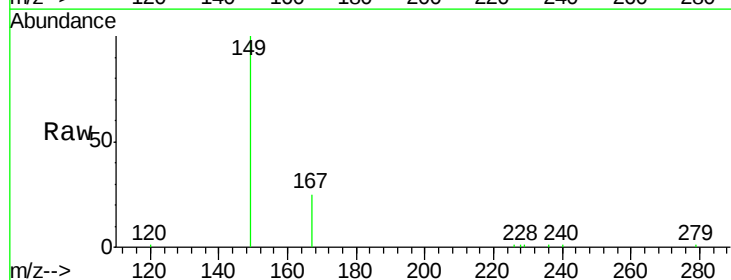
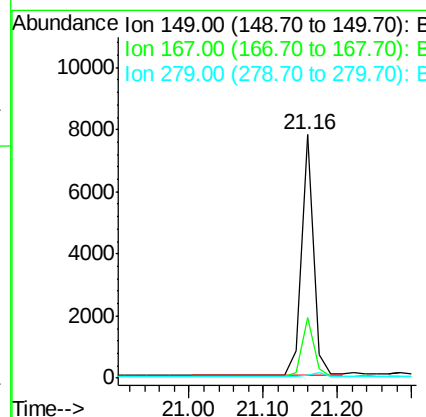
RT: 21.16 min Scan# 1244

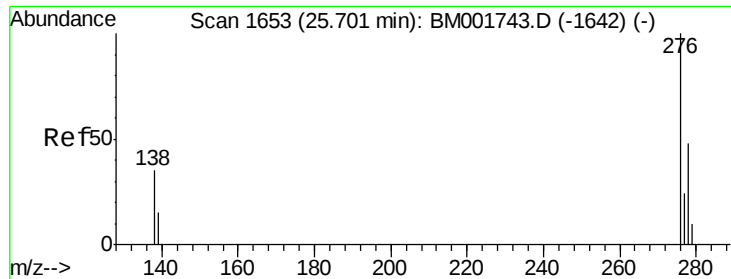
Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion:	149	Resp:	8592
Ion Ratio		Lower	Upper
149	100		
167	24.8	19.7	29.5
279	1.8	1.6	2.4





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.94 ng

RT: 25.70 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM001748.D

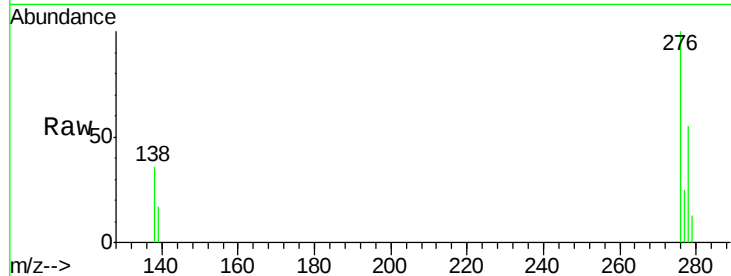
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

ICVBM061915



Tgt Ion: 276 Resp: 15271

Ion Ratio Lower Upper

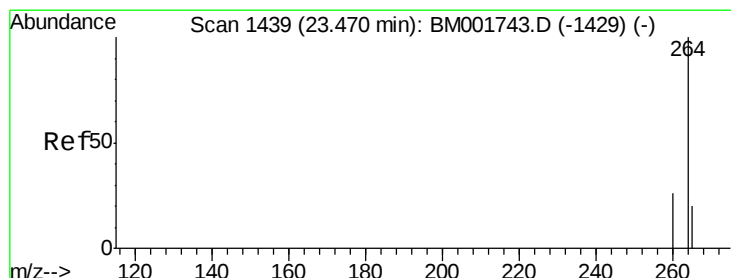
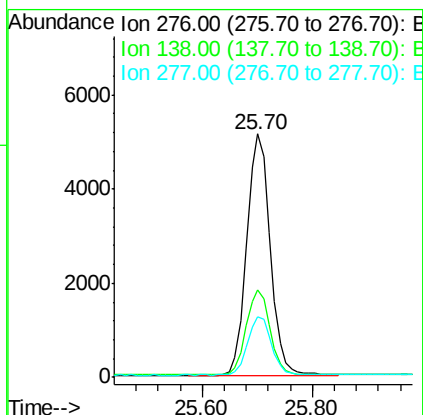
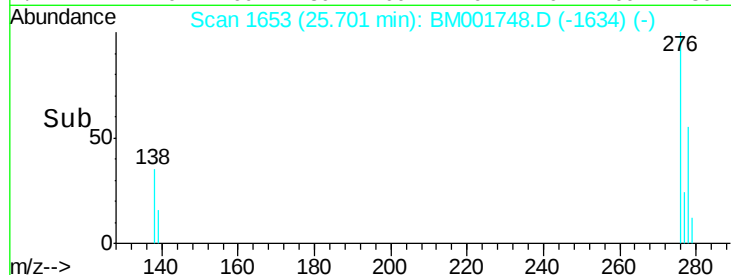
276 100

138 36.0 29.0 43.6

277 24.7 19.7 29.5

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

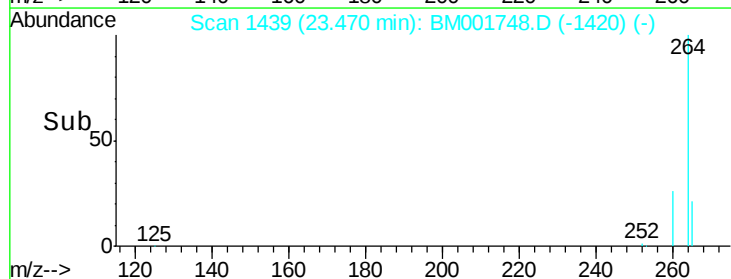
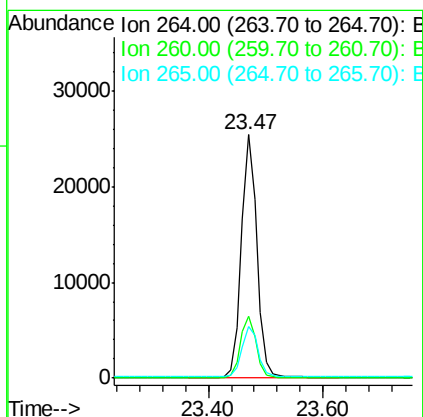
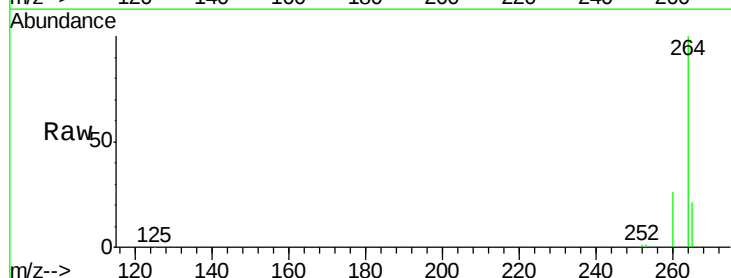
Tgt Ion: 264 Resp: 47775

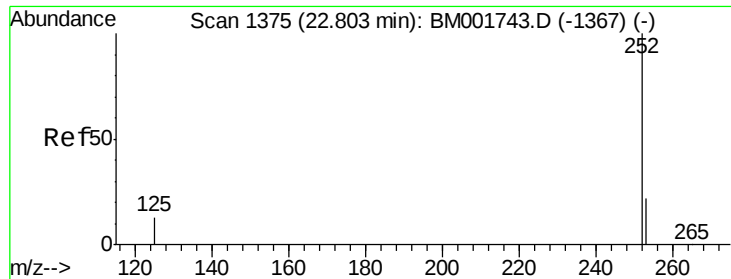
Ion Ratio Lower Upper

264 100

260 25.6 20.8 31.2

265 21.3 16.8 25.2





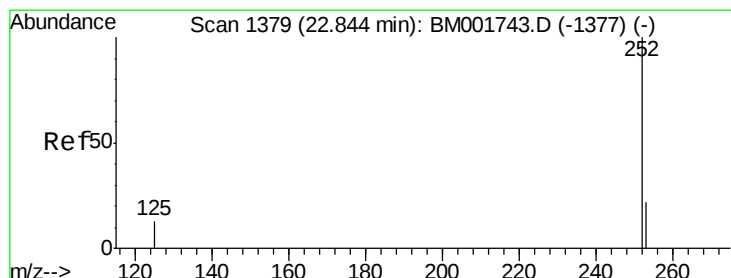
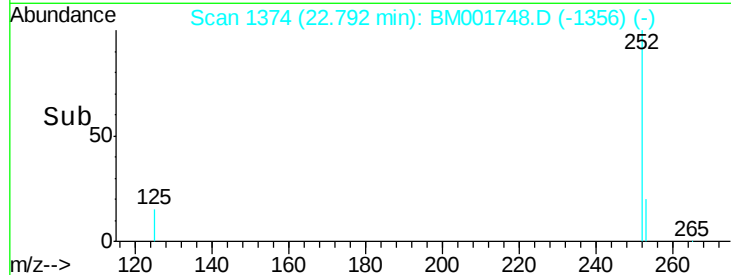
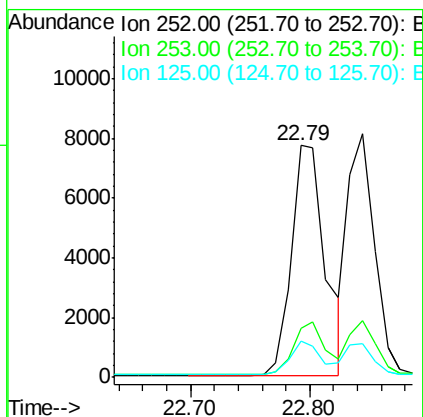
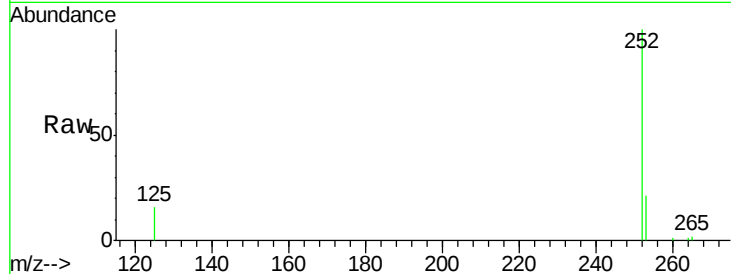
#33
Benzo(b)fluoranthene
Concen: 0.97 ng
RT: 22.79 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Instrument :
BNA_M
ClientSampleId :
ICVBM061915

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	19.0	28.4
125	15.8	11.3	16.9

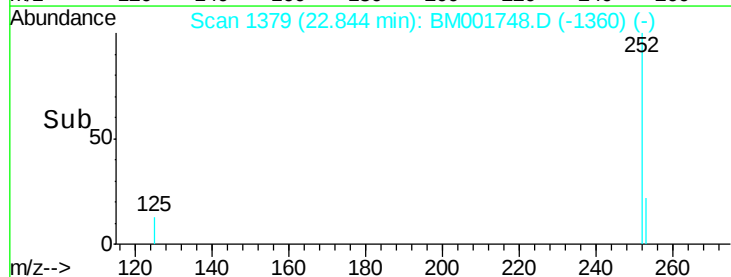
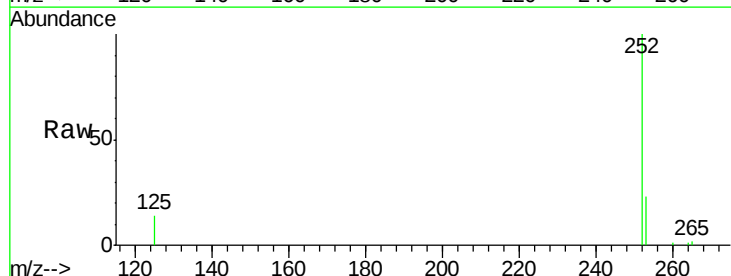
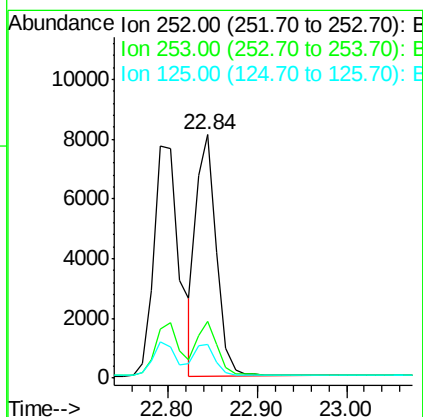
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#34
Benzo(k)fluoranthene
Concen: 0.90 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BM001748.D
Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	14.1	11.8	17.6





#35

Benzo(a)pyrene

Concen: 0.94 ng

RT: 23.37 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BM001748.D

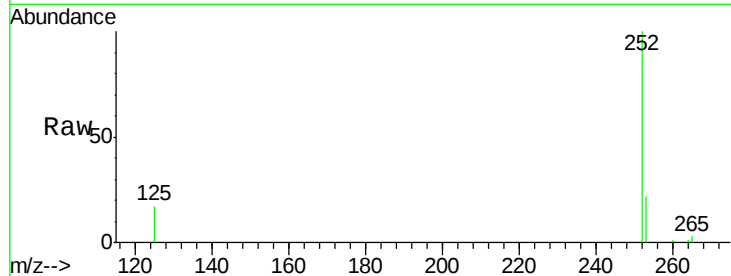
Acq: 18 Jun 2015 21:59

Instrument :

BNA_M

ClientSampleId :

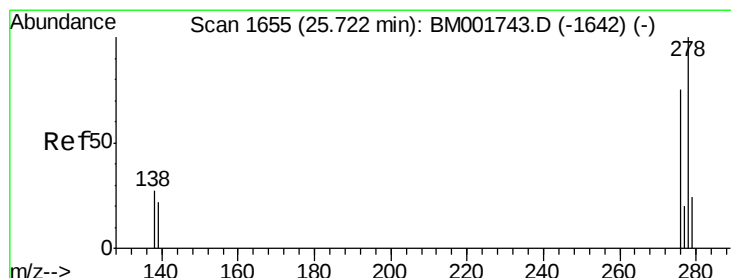
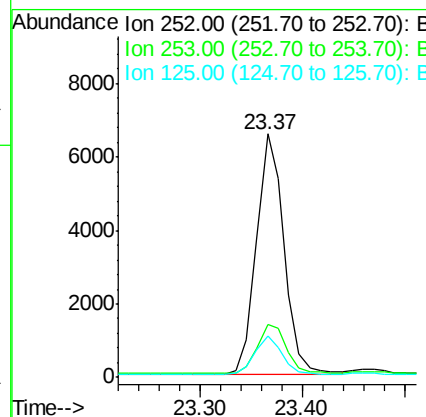
ICVBM061915



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	16.7	14.1	21.1

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#36

Dibenzo(a,h)anthracene

Concen: 0.94 ng

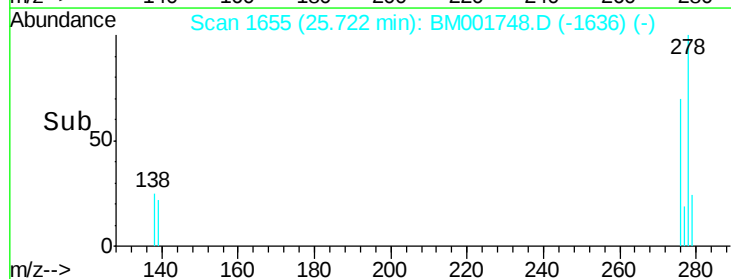
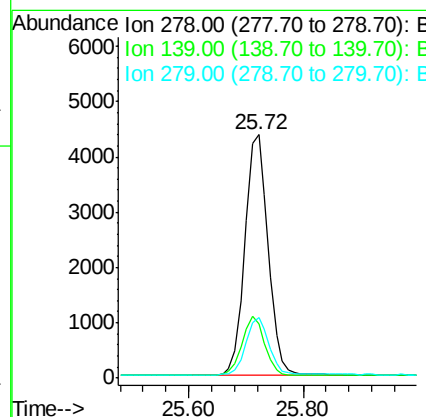
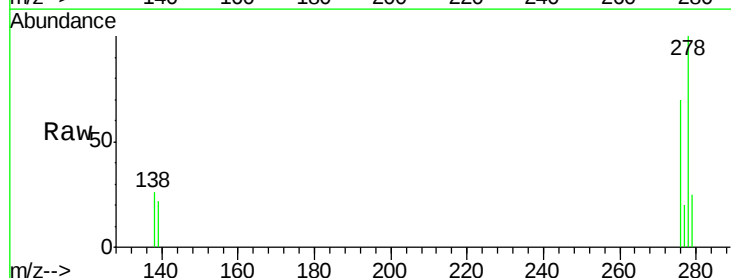
RT: 25.72 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BM001748.D

Acq: 18 Jun 2015 21:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	18.4	27.6
279	25.0	19.8	29.8





#37
 Benzo(g,h,i)perylene
 Concen: 0.94 ng
 RT: 26.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BM001748.D
 Acq: 18 Jun 2015 21:59

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM061915

Tgt Ion:	276	Resp:	12905
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.3	28.9
138	29.6	24.7	37.1

Manual Integrations
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