

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000784.D
 Acq On : 01 Apr 2015 13:09
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

Manual Integrations
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Quant Time: Apr 01 15:31:56 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 04:17:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	34136	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	114536	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	56501	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	125368	5.00	ng	0.00
19) Chrysene-d12	21.21	240	104082	5.00	ng	0.00
25) Perylene-d12	23.40	264	96525	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	56376	8.02	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	171284	9.77	ng	0.00
21) Terphenyl-d14	19.66	244	136205	10.88	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2100	0.08	ng	# 91
7) 2-Methylnaphthalene	12.08	142	1199	0.07	ng	96
10) Acenaphthylene	13.99	152	1564	0.06	ng	97
11) Acenaphthene	14.33	154	1259	0.07	ng	98
12) Fluorene	15.32	166	1465	0.08	ng	100
14) Hexachlorobenzene	16.33	284	577	0.08	ng	# 70
16) Phenanthrene	17.05	178	2668m	0.08	ng	
17) Anthracene	17.15	178	2155	0.07	ng	99
18) Fluoranthene	19.09	202	2536	0.07	ng	100
20) Pyrene	19.45	202	2616	0.08	ng	99
22) Benzo(a)anthracene	21.20	228	2465	0.08	ng	97
23) Chrysene	21.24	228	2765	0.09	ng	96
24) Indeno(1,2,3-cd)pyrene	25.59	276	2456	0.08	ng	98
26) Benzo(b)fluoranthene	22.74	252	2270	0.07	ng	# 77
27) Benzo(k)fluoranthene	22.79	252	2371	0.08	ng	# 78
28) Benzo(a)pyrene	23.30	252	2015	0.08	ng	# 71
29) Dibenzo(a,h)anthracene	25.60	278	1919	0.07	ng	# 78
30) Benzo(g,h,i)perylene	26.26	276	2271	0.08	ng	# 91

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

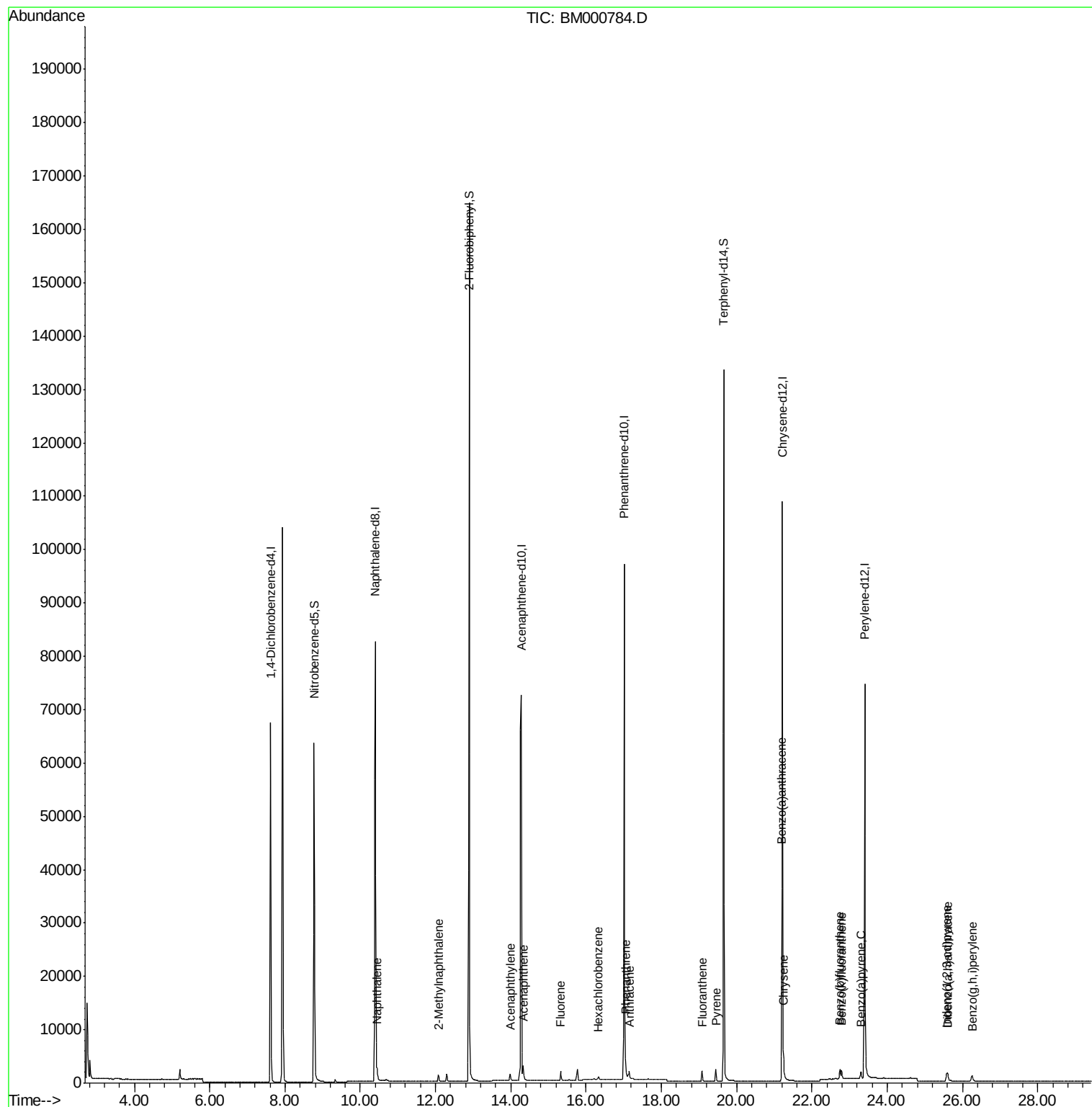
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000784.D
Acq On : 01 Apr 2015 13:09
Operator : TP/IZ
Sample : MDL-04-W
Misc : MDL-WATER-0.1/0.2PPM
ALS Vial : 24 Sample Multiplier: 1

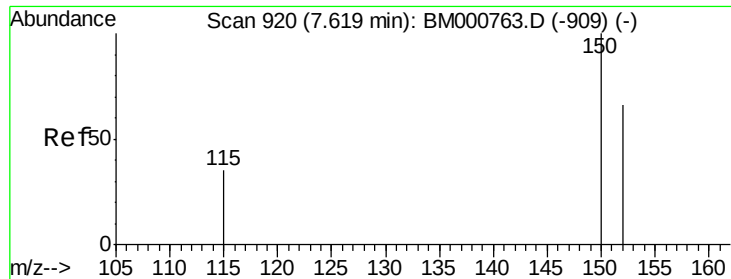
Instrument :
BNA_M
ClientSampleId :
MDL-04-W

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000784.D

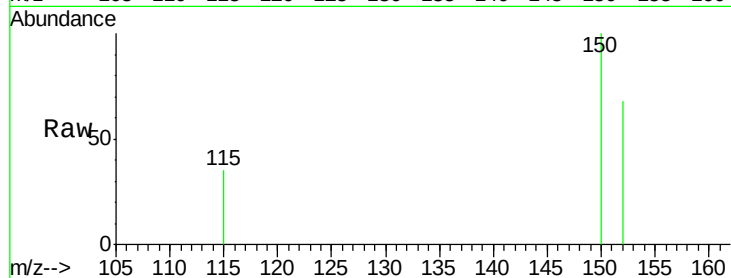
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampled :

MDL-04-W



Tgt Ion:152 Resp: 34136

Ion Ratio Lower Upper

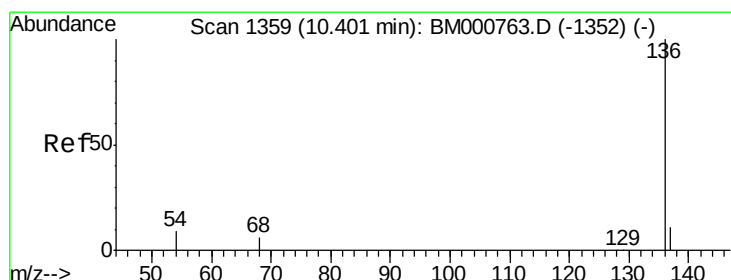
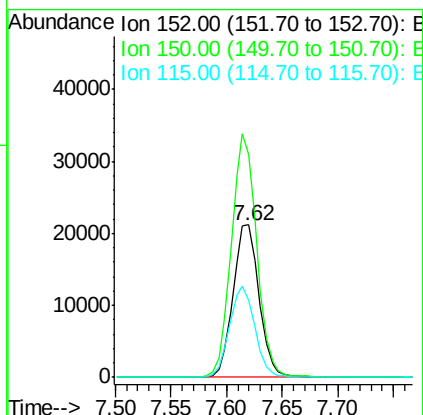
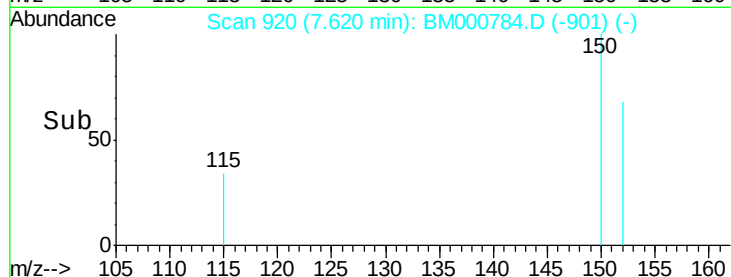
152 100

150 146.5 120.8 181.2

115 50.7 42.7 64.1

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#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

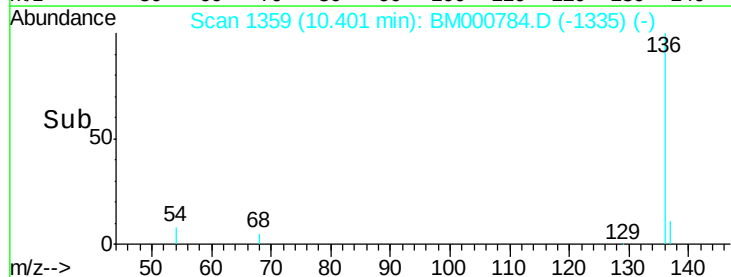
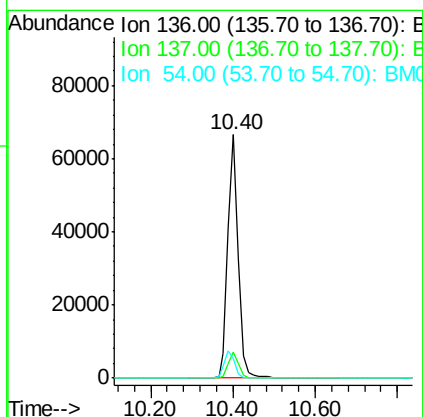
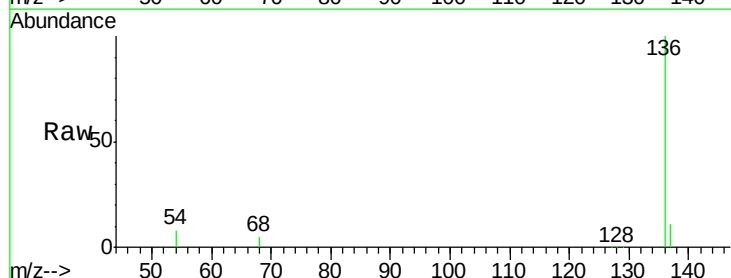
Tgt Ion:136 Resp: 114536

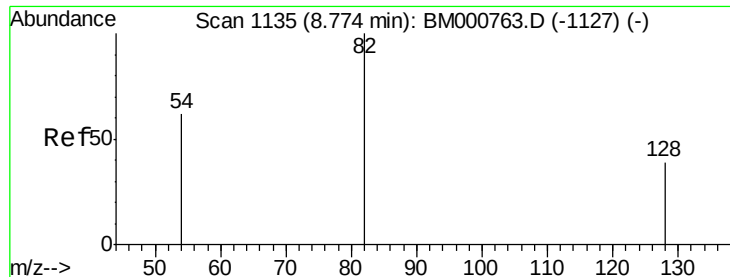
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 7.8 7.0 10.6





#5

Nitrobenzene-d5

Concen: 8.02 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000784.D

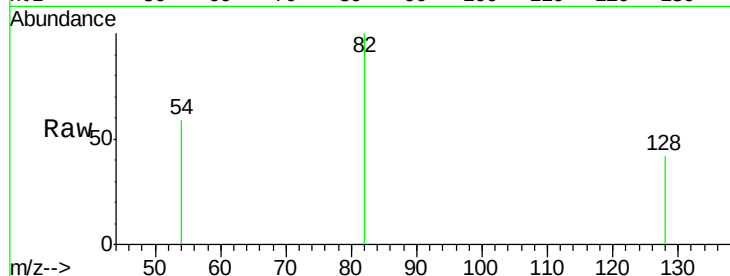
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

MDL-04-W



Tgt Ion: 82 Resp: 56376

Ion Ratio Lower Upper

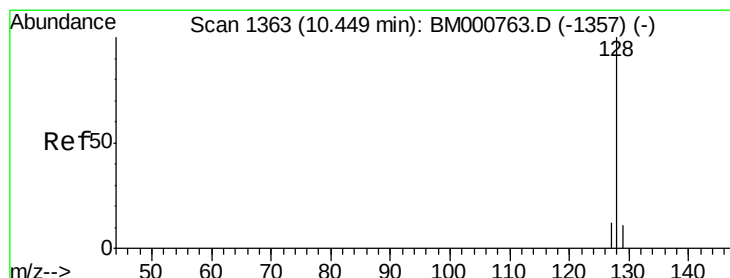
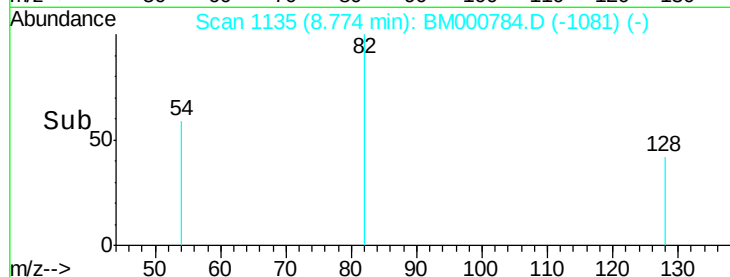
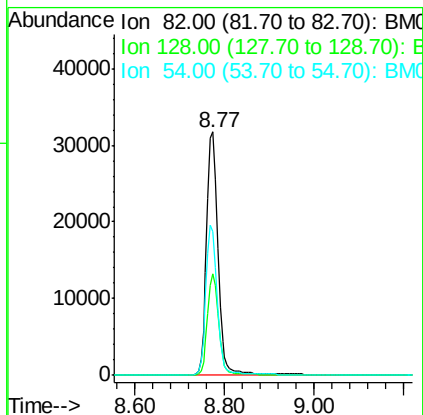
82 100

128 41.9 32.2 48.2

54 58.9 50.2 75.4

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#6

Naphthalene

Concen: 0.08 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

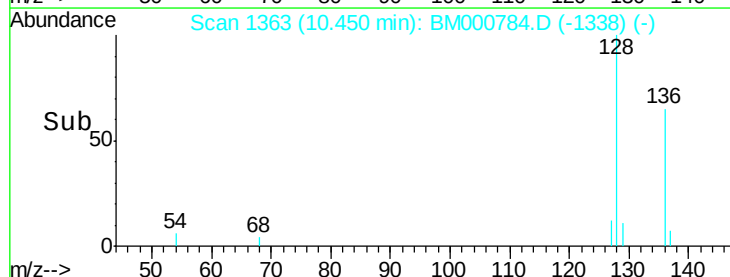
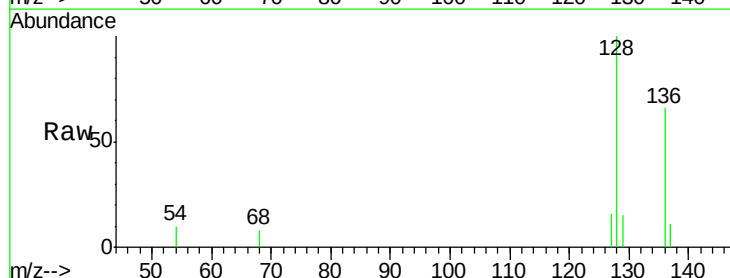
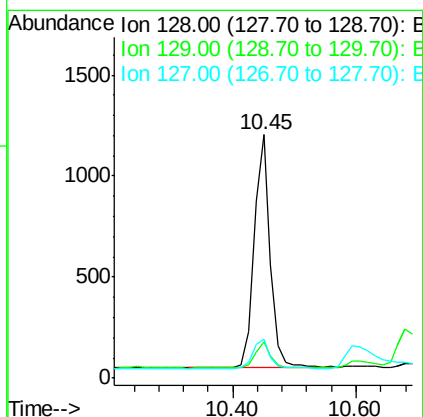
Tgt Ion: 128 Resp: 2100

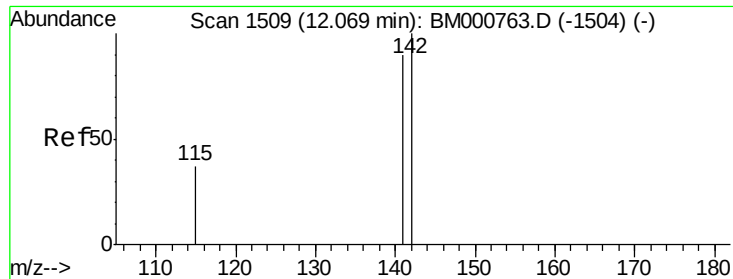
Ion Ratio Lower Upper

128 100

129 14.7 8.9 13.3#

127 15.8 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

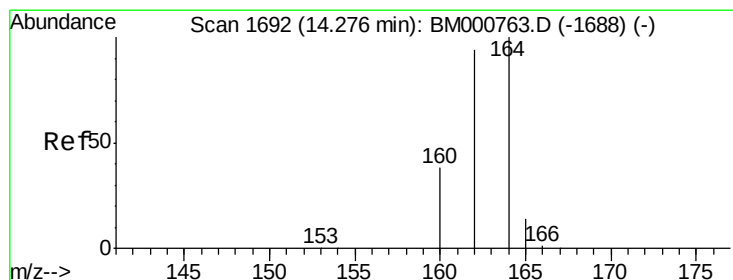
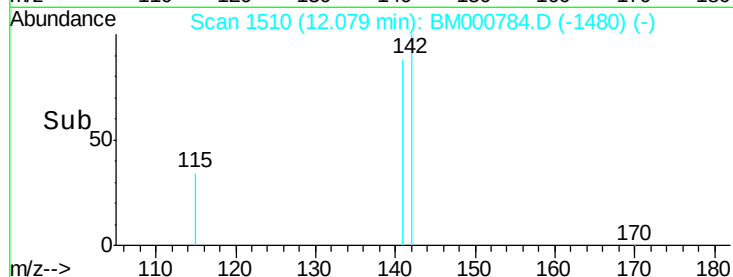
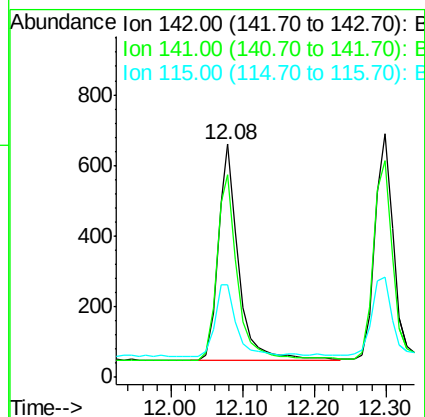
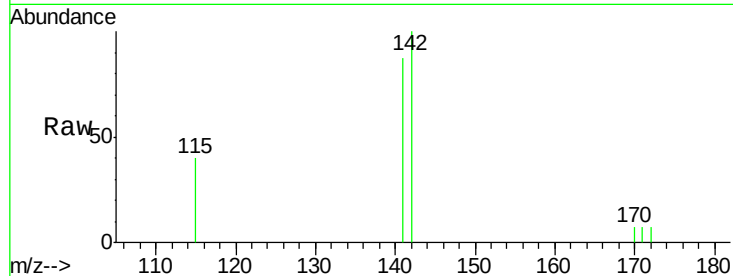
ClientSampleId :

MDL-04-W

Tgt Ion:	142	Resp:	1199
Ion Ratio	Lower	Upper	
142	100		
141	87.0	72.3	108.5
115	39.5	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

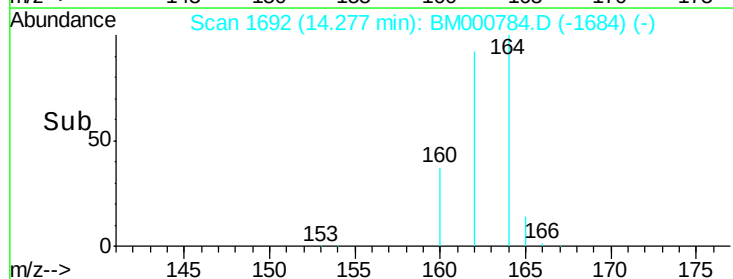
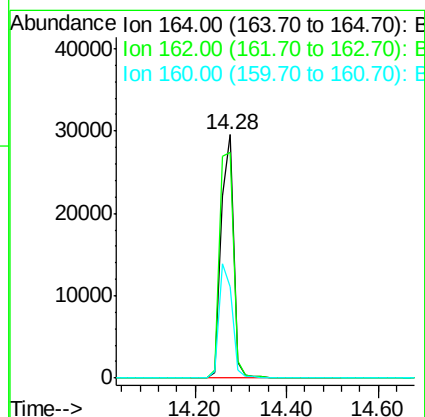
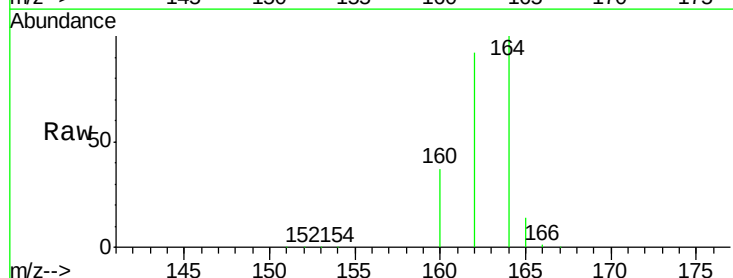
RT: 14.28 min Scan# 1692

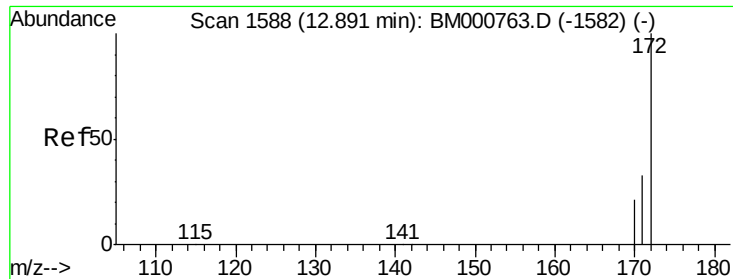
Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Tgt Ion:	164	Resp:	56501
Ion Ratio	Lower	Upper	
164	100		
162	92.5	75.4	113.2
160	37.3	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.77 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000784.D

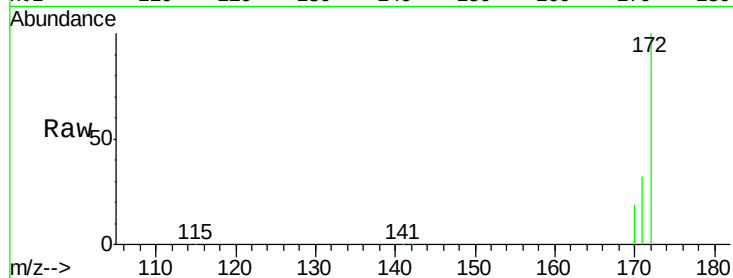
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

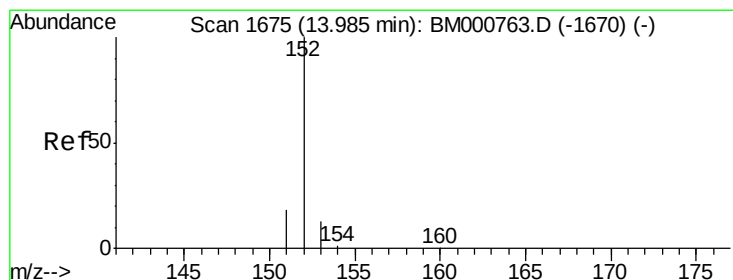
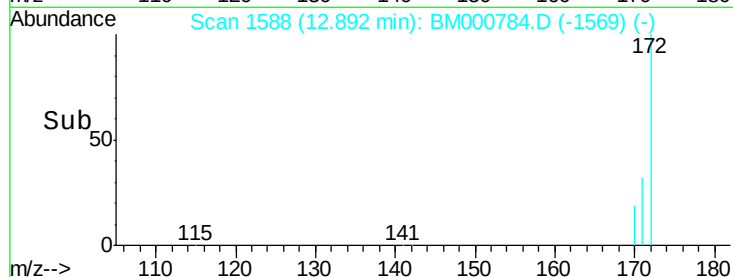
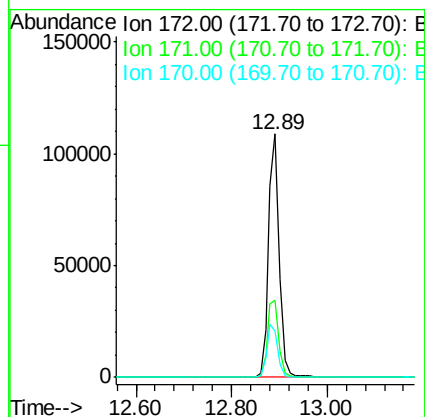
MDL-04-W



Tgt Ion:	172	Resp:	171284
Ion	Ratio	Lower	Upper
172	100		
171	31.8	26.6	39.8
170	19.3	17.1	25.7

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#10

Acenaphthylene

Concen: 0.06 ng

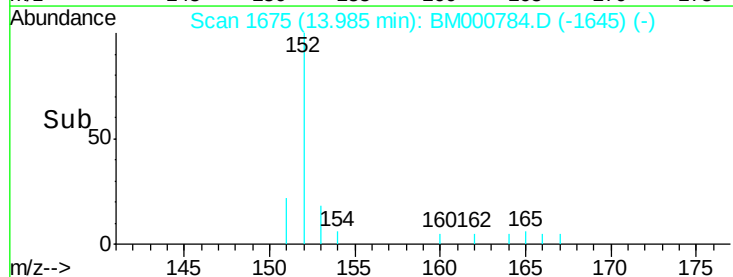
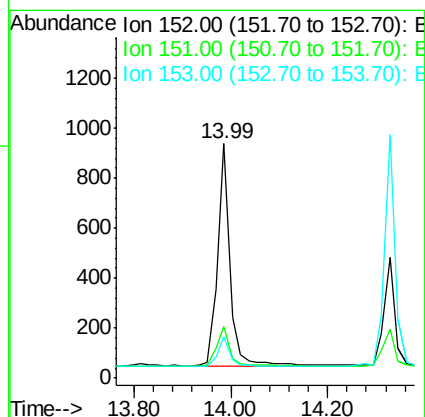
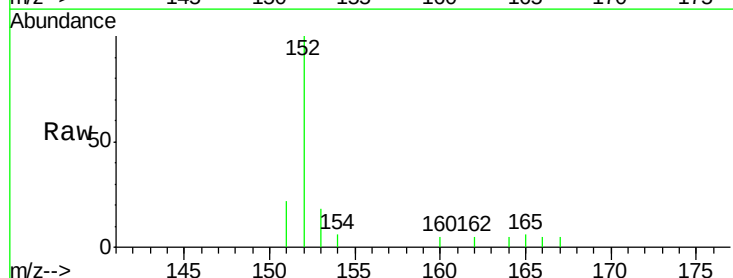
RT: 13.99 min Scan# 1675

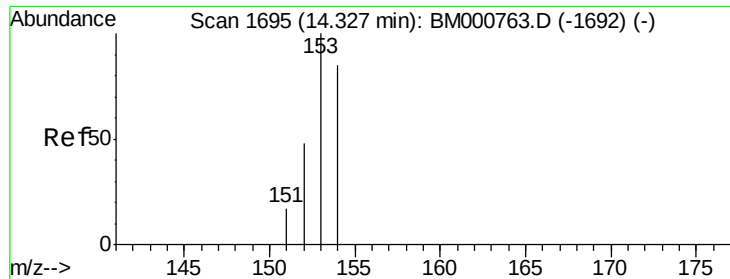
Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Tgt Ion:	152	Resp:	1564
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.1	22.7
153	13.8	10.2	15.4





#11

Acenaphthene

Concen: 0.07 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000784.D

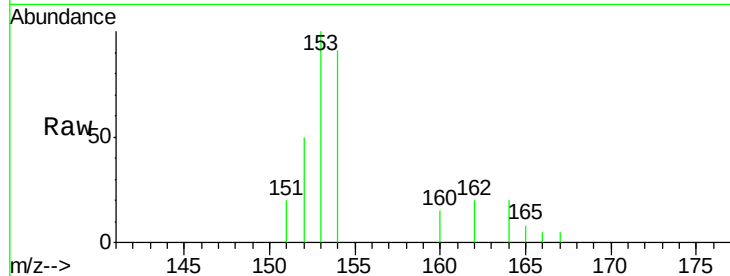
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

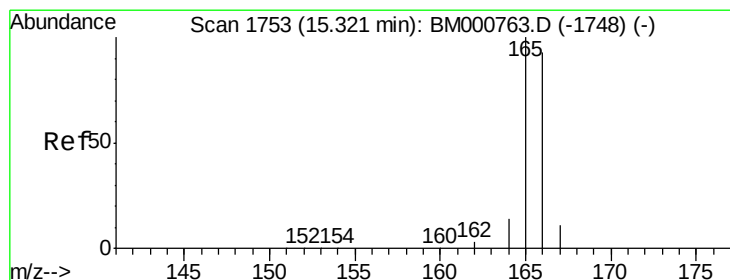
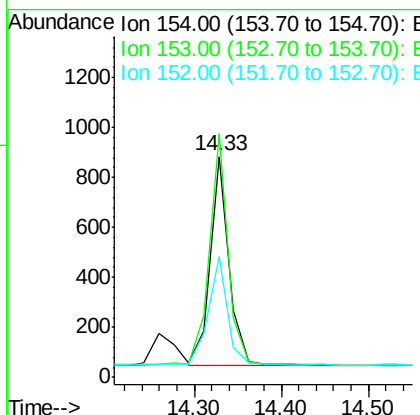
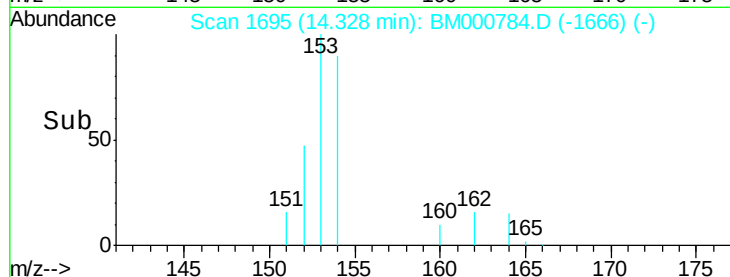
MDL-04-W



Tgt Ion:	154	Resp:	1259
Ion Ratio	Lower	Upper	
154	100		
153	111.5	87.3	130.9
152	54.0	43.0	64.6

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#12

Fluorene

Concen: 0.08 ng

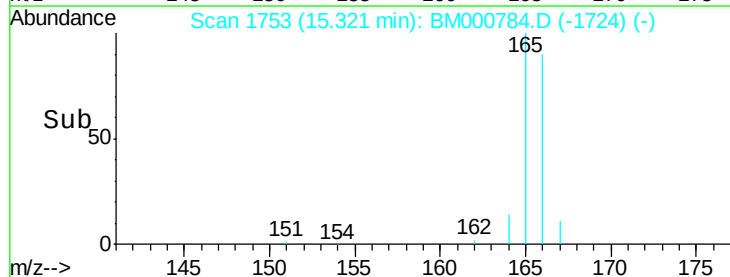
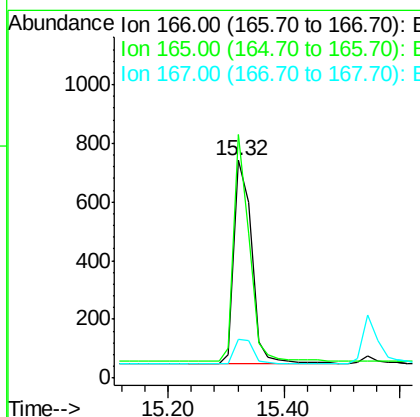
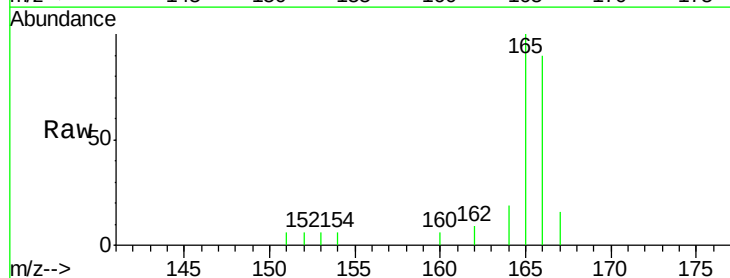
RT: 15.32 min Scan# 1753

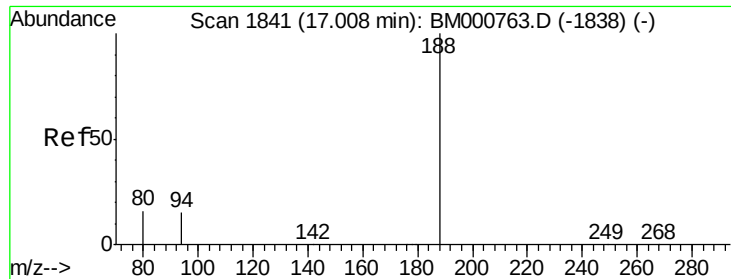
Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Tgt Ion:	166	Resp:	1465
Ion Ratio	Lower	Upper	
166	100		
165	97.5	78.2	117.2
167	12.9	10.7	16.1





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

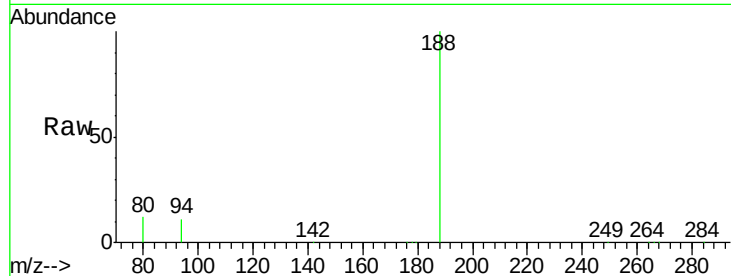
ClientSampleId :

MDL-04-W

Tgt Ion:	188	Resp:	125368
Ion Ratio	Lower	Upper	
188	100		
94	11.4	12.0	18.0#
80	11.5	12.8	19.2#

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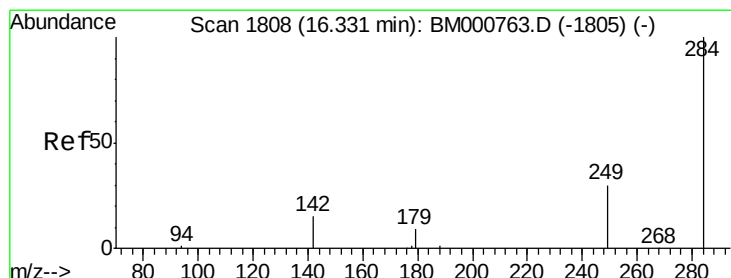
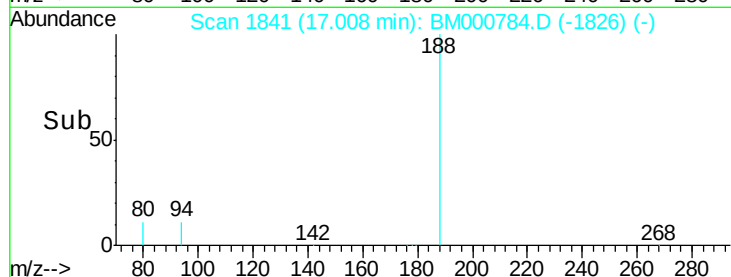
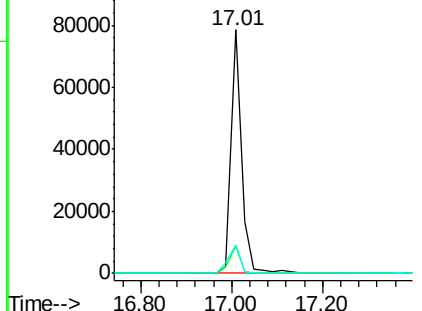
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#14

Hexachlorobenzene

Concen: 0.08 ng

RT: 16.33 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BM000784.D

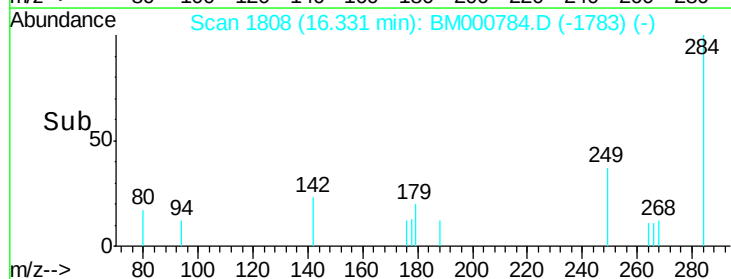
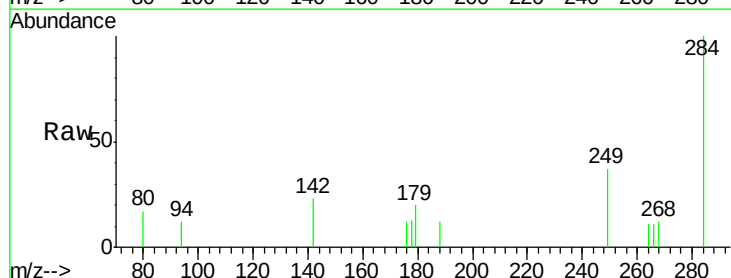
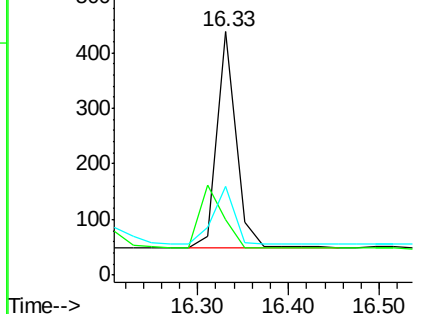
Acq: 01 Apr 2015 13:09

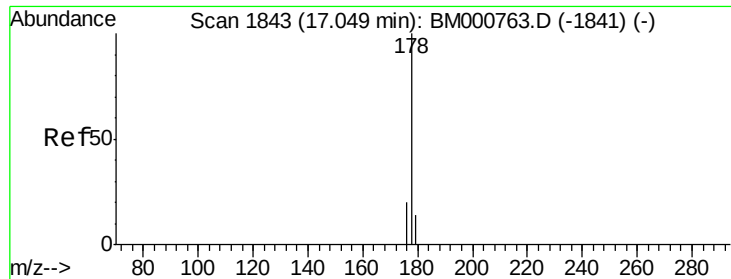
Tgt Ion:	284	Resp:	577
Ion Ratio	Lower	Upper	
284	100		
142	0.0	0.0	0.0
249	48.0	25.2	37.8#

Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





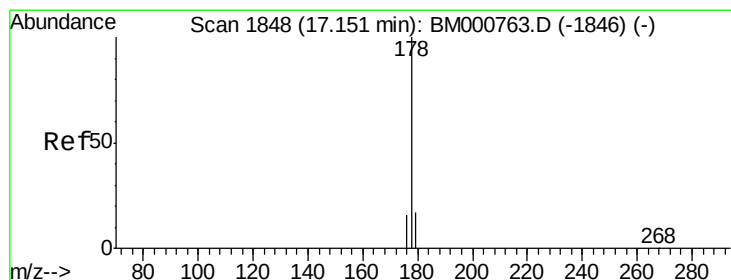
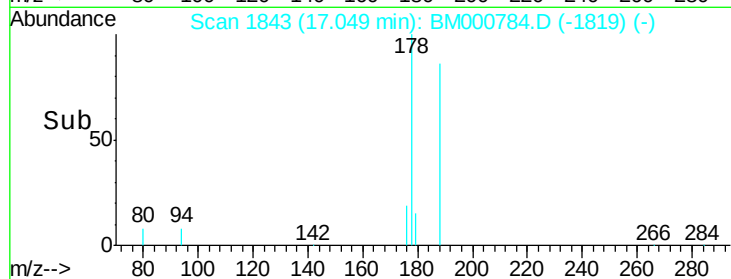
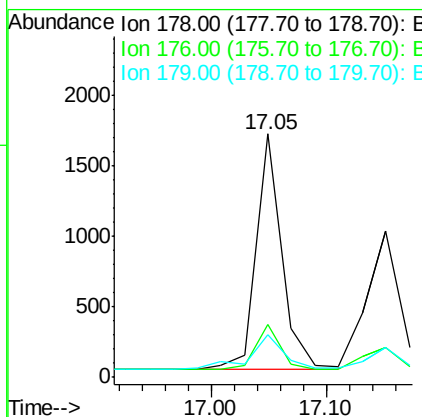
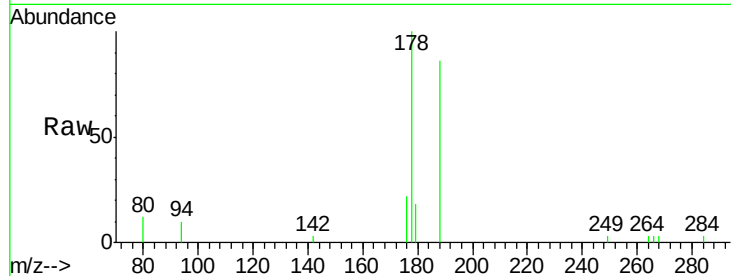
#16
Phenanthrene
Concen: 0.08 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.8	15.3	22.9#
179	11.6	12.2	18.2#

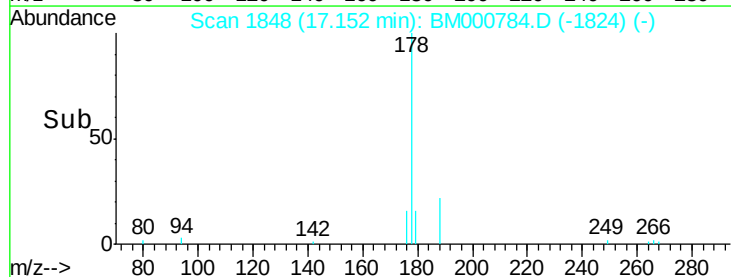
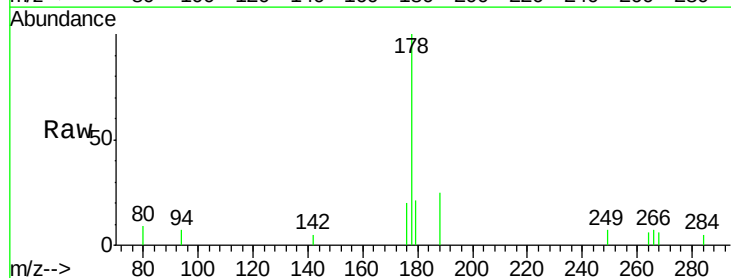
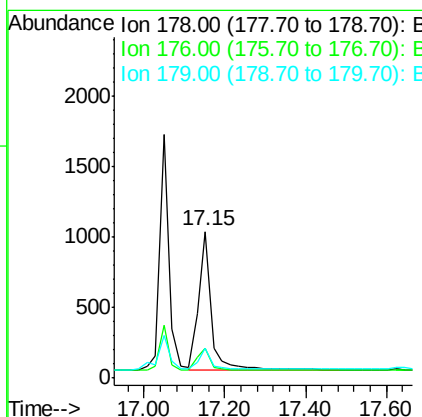
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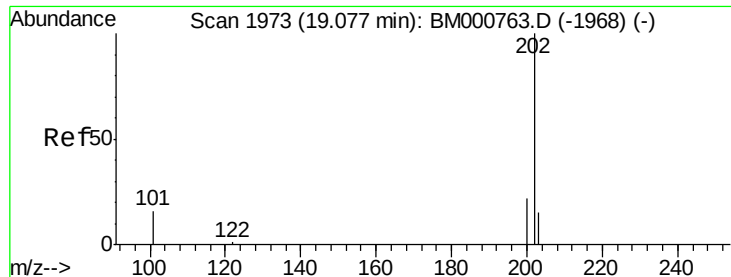
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#17
Anthracene
Concen: 0.07 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	14.4	12.2	18.4





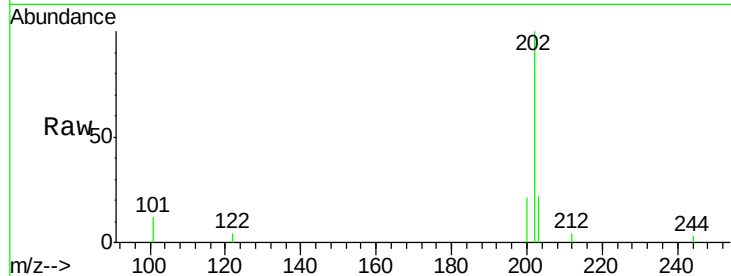
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000784.D
 Acq: 01 Apr 2015 13:09

Instrument :
 BNA_M
 ClientSampleId :
 MDL-04-W

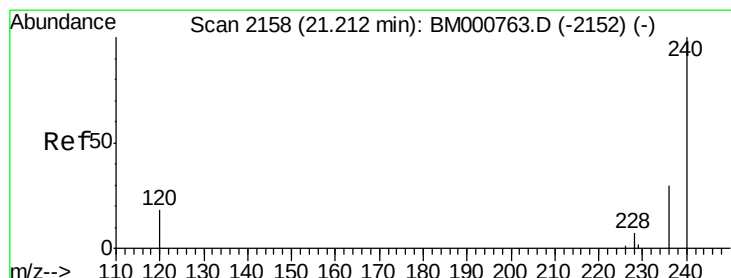
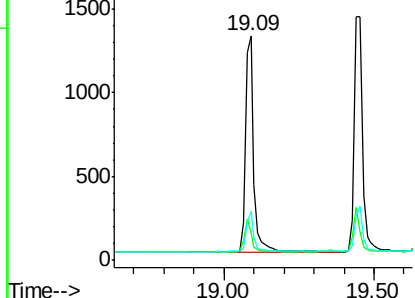
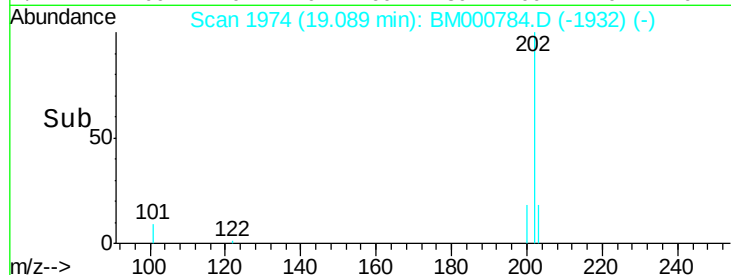
Tgt Ion:	202	Resp:	2536
Ion Ratio	Lower	Upper	
202	100		
101	12.9	10.5	15.7
203	17.4	13.8	20.8

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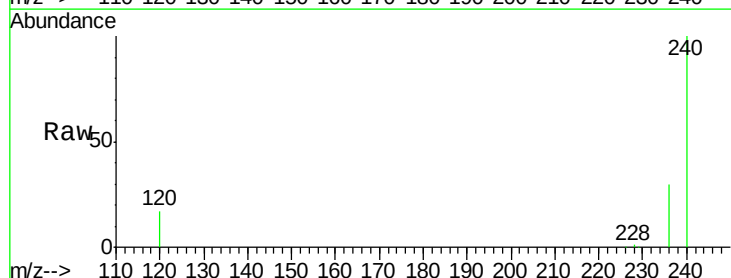


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

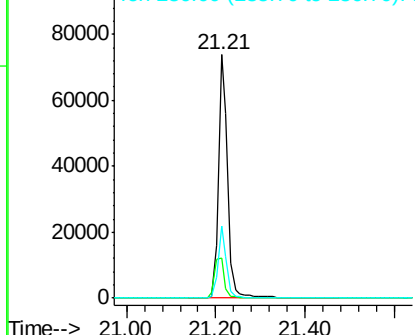
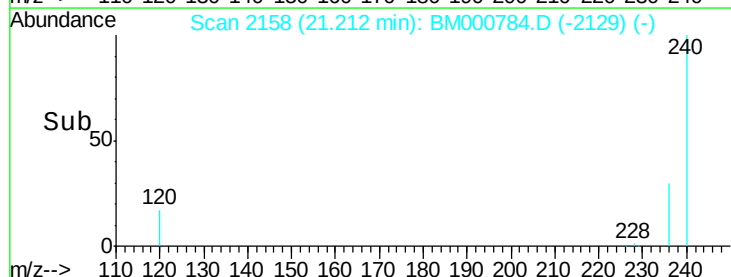


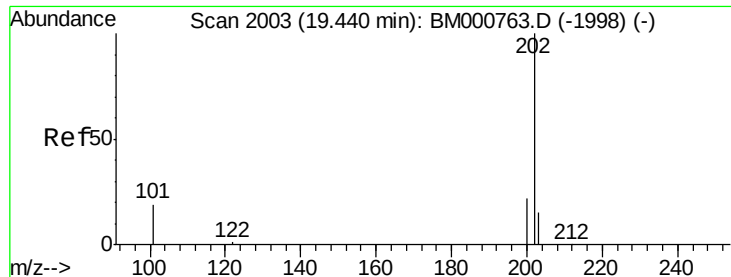
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000784.D
 Acq: 01 Apr 2015 13:09

Tgt Ion:	240	Resp:	104082
Ion Ratio	Lower	Upper	
240	100		
120	16.7	14.9	22.3
236	29.6	24.2	36.4



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





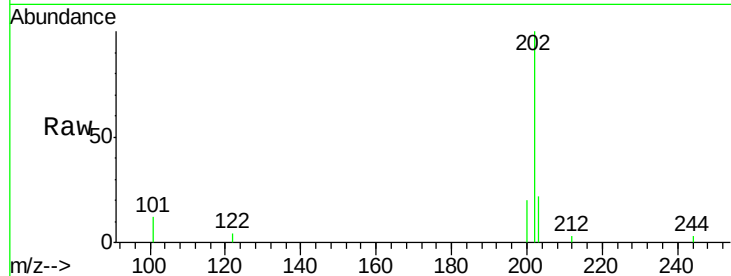
#20
Pyrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.2	24.2
203	17.9	13.9	20.9

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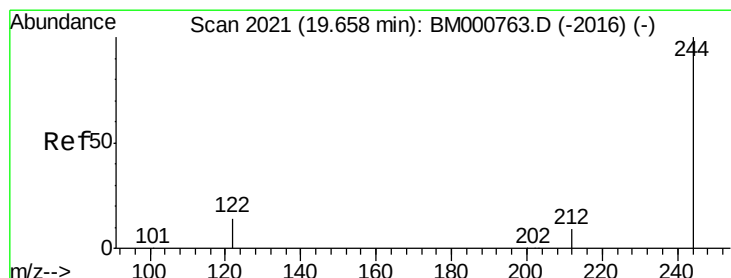
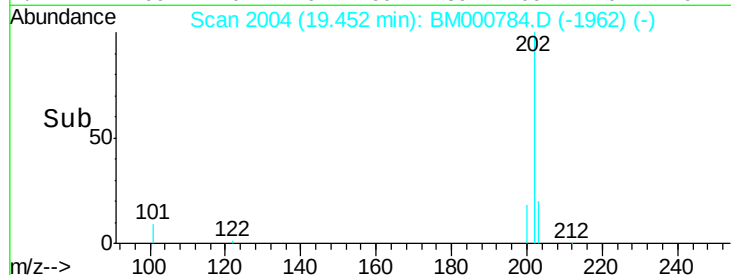
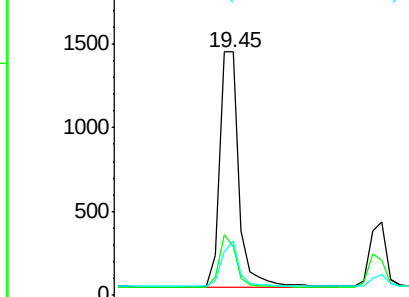


Abundance

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



#21
Terphenyl-d14
Concen: 10.88 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

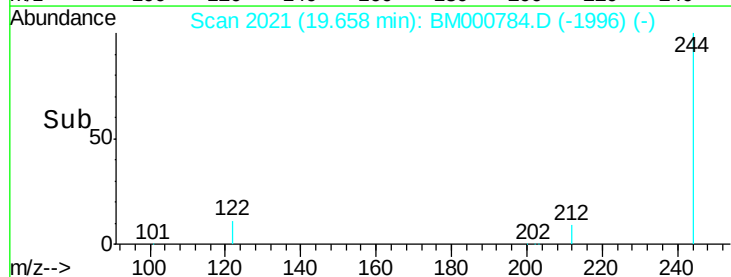
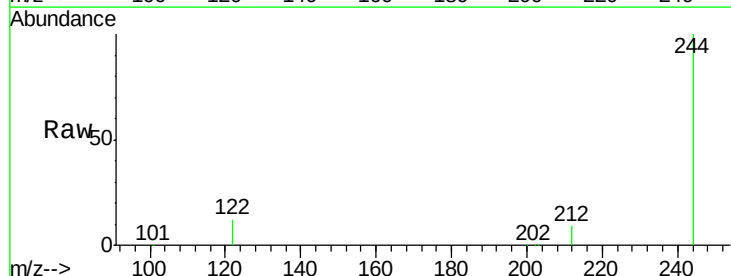
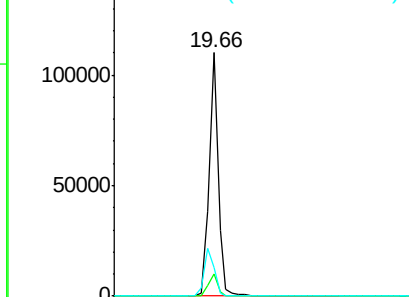
Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.0	7.8	11.6
122	11.5	11.8	17.8#

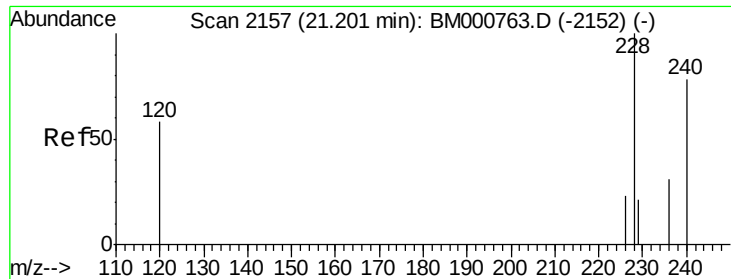
Abundance

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





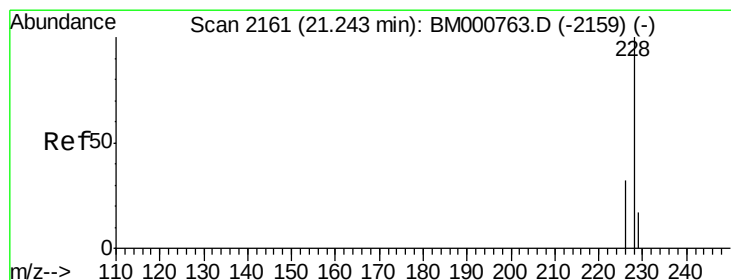
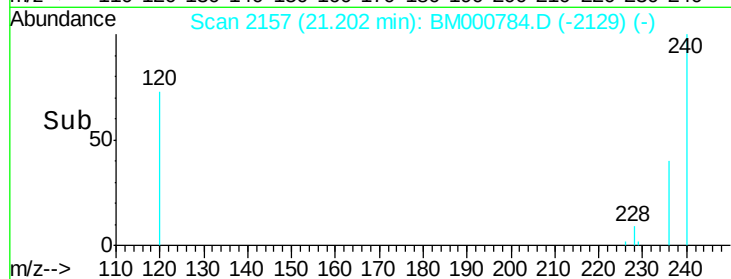
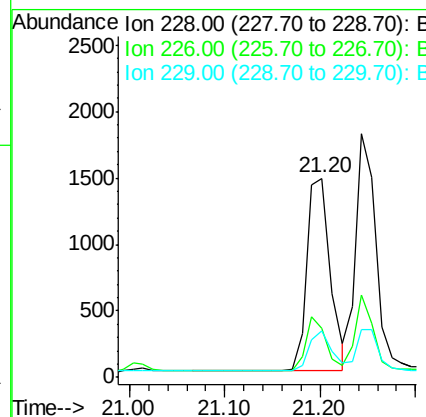
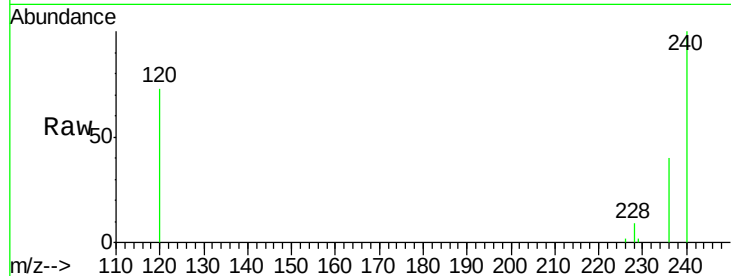
#22
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.20 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.6	18.6	27.8
229	23.4	17.2	25.8

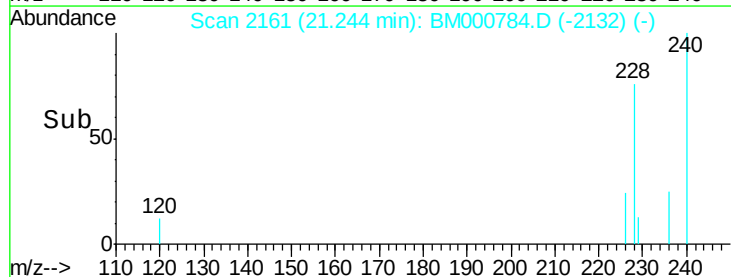
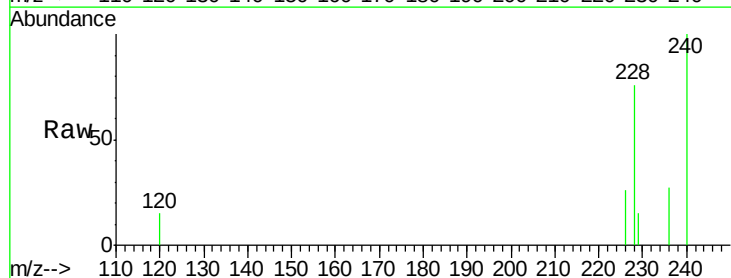
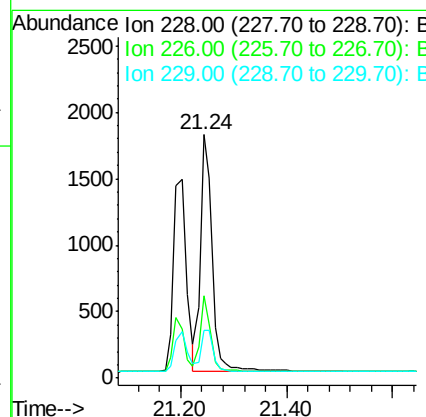
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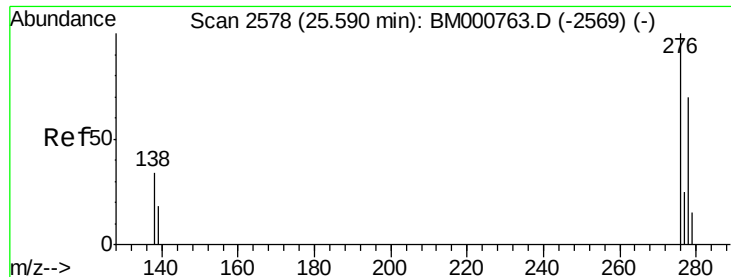
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#23
Chrysene
Concen: 0.09 ng
RT: 21.24 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.8	38.8
229	19.8	13.8	20.6





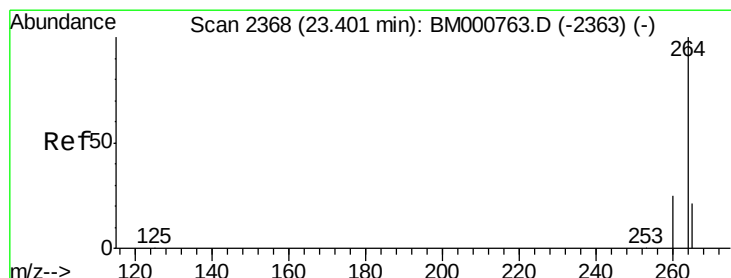
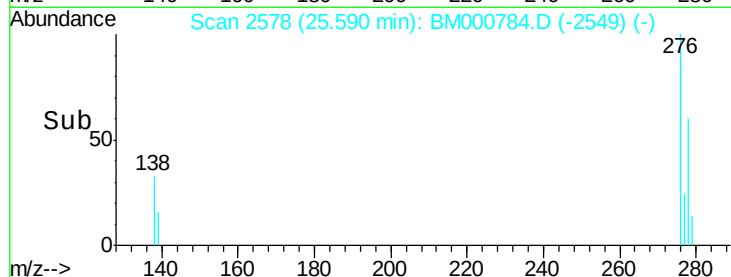
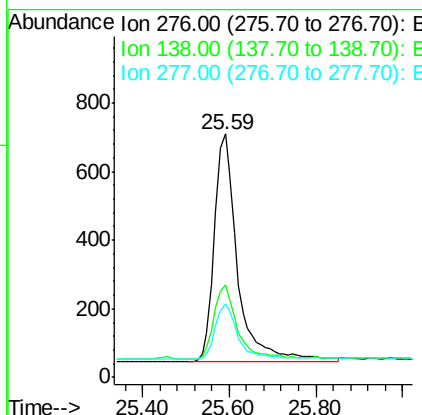
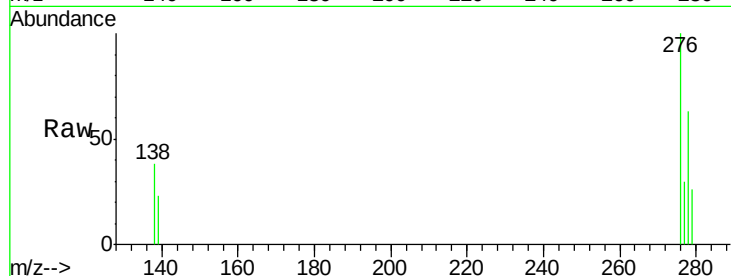
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.4	41.2
277	24.2	19.7	29.5

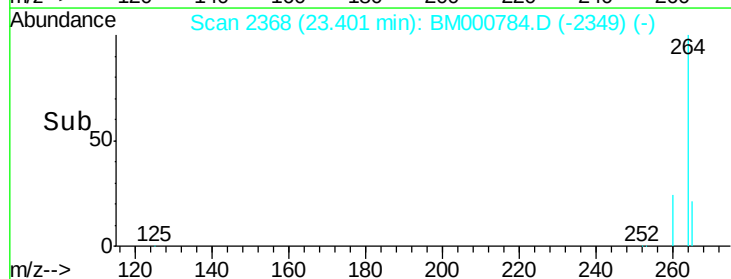
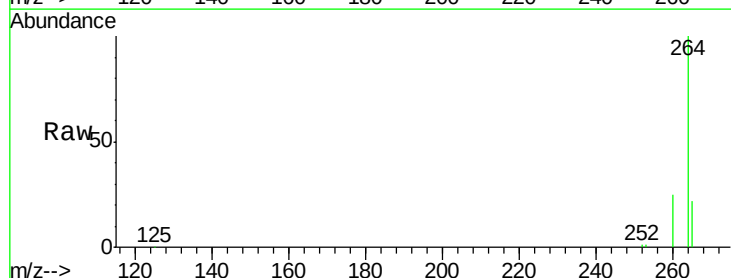
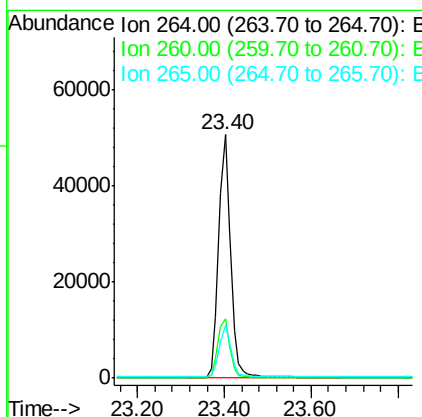
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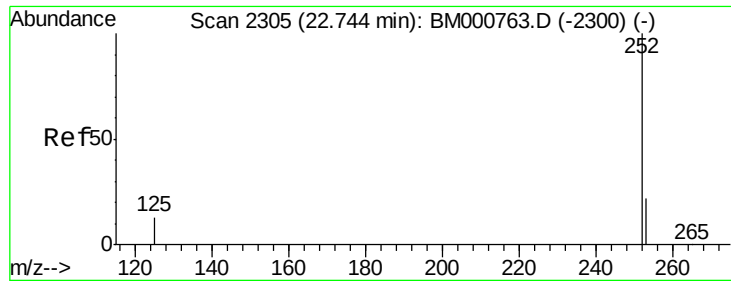
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	21.5	17.4	26.0





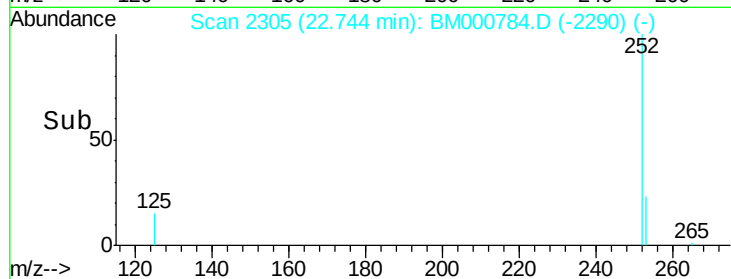
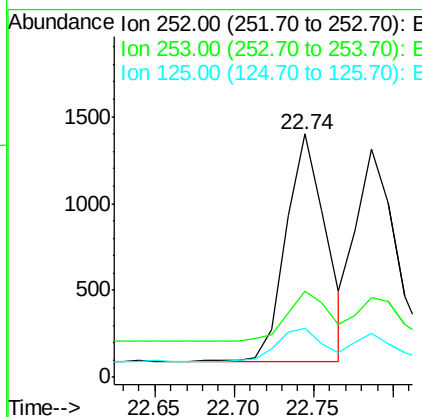
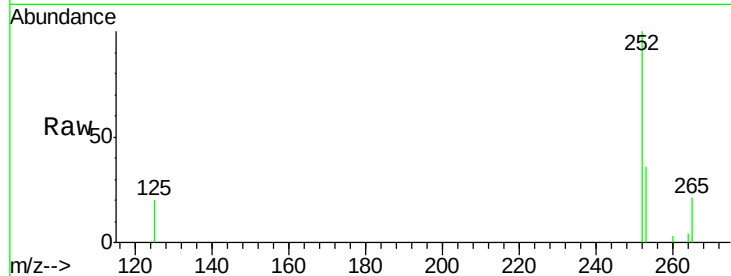
#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.6	18.5	27.7#
125	20.2	10.6	16.0#

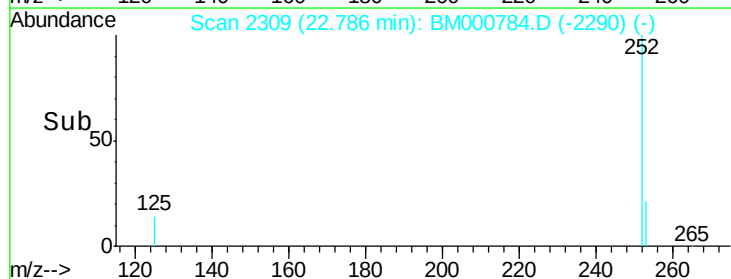
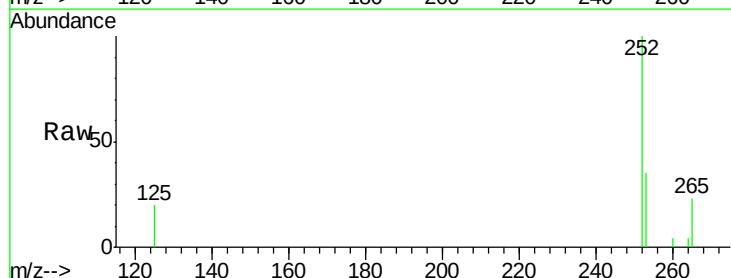
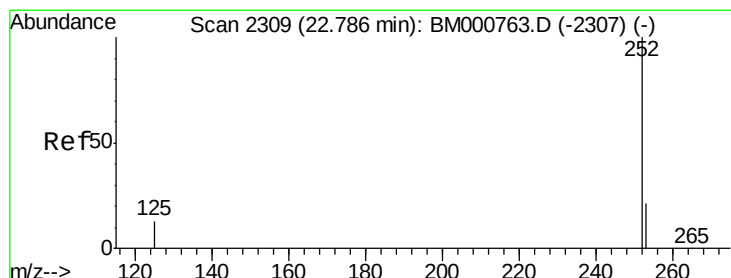
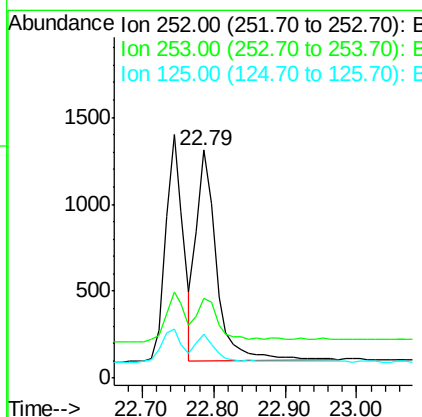
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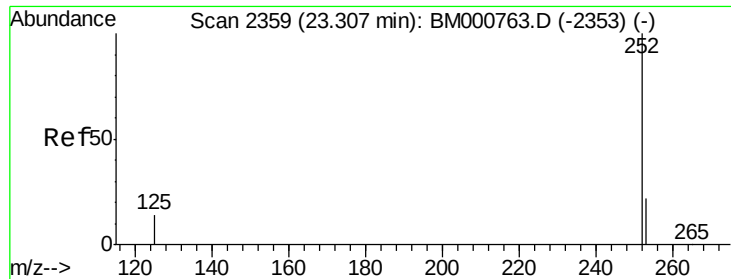
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#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.2	17.9	26.9#
125	19.5	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.08 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000784.D

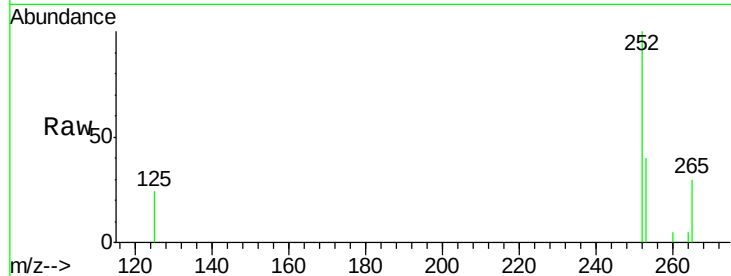
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

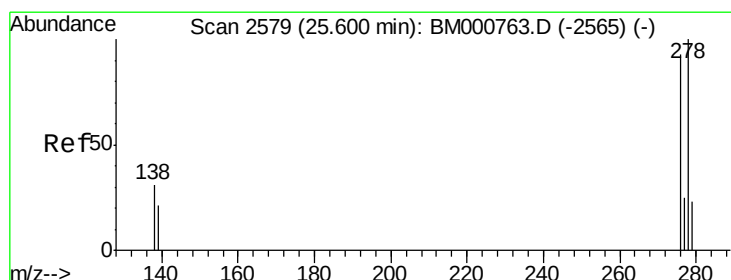
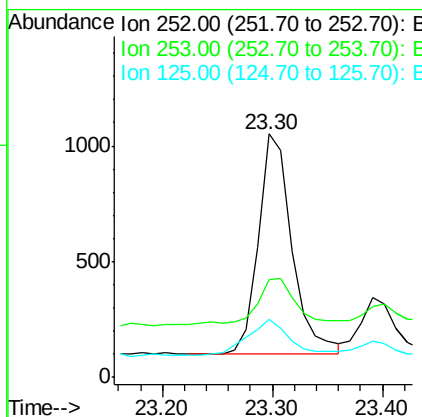
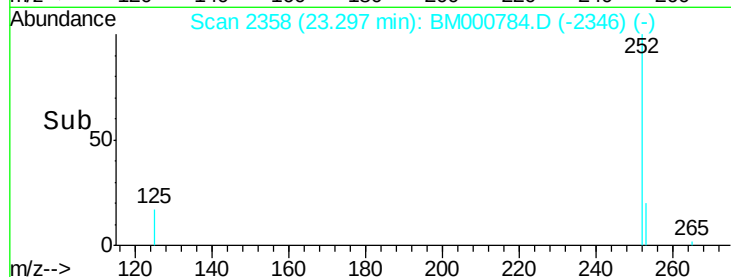
MDL-04-W



Tgt Ion:	252	Resp:	2015
Ion Ratio	Lower	Upper	
252	100		
253	40.1	19.4	29.2#
125	24.0	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

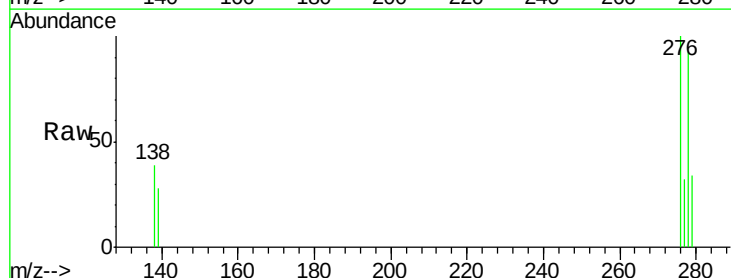
Concen: 0.07 ng

RT: 25.60 min Scan# 2579

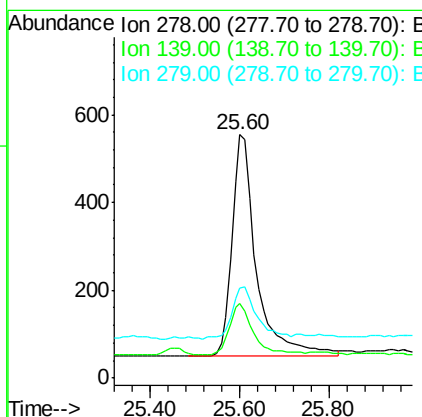
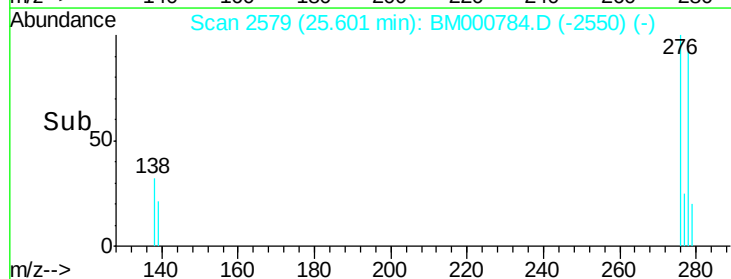
Delta R.T. 0.00 min

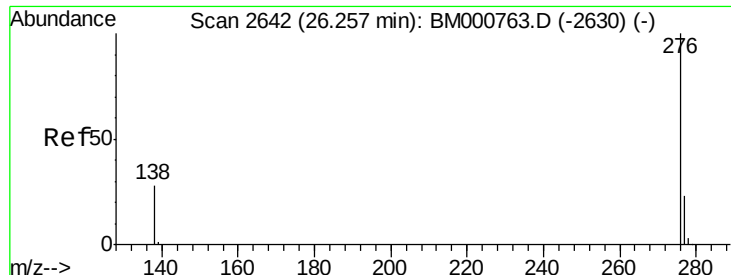
Lab File: BM000784.D

Acq: 01 Apr 2015 13:09



Tgt Ion:	278	Resp:	1919
Ion Ratio	Lower	Upper	
278	100		
139	30.6	17.8	26.6#
279	36.9	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000784.D

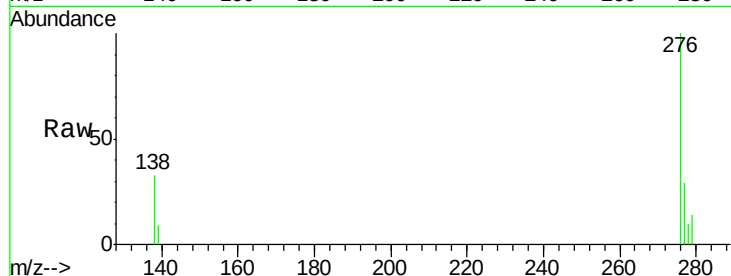
Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

MDL-04-W



Tgt Ion: 276 Resp: 2271

Ion Ratio Lower Upper

276 100

277 29.0 19.1 28.7#

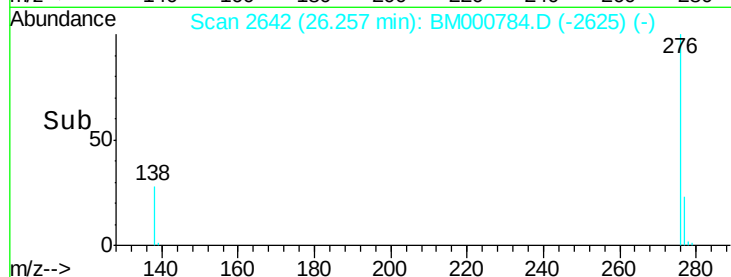
138 33.2 23.1 34.7

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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

