

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000786.D
 Acq On : 01 Apr 2015 14:20
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-W

Manual Integrations
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Quant Time: Apr 01 15:33:29 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	35264	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	118796	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	57352	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128908	5.00	ng	0.00
19) Chrysene-d12	21.21	240	109617	5.00	ng	0.00
25) Perylene-d12	23.40	264	100767	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	55495	7.62	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	167626	9.42	ng	0.00
21) Terphenyl-d14	19.66	244	133184	10.10	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2302	0.08	ng	# 92
7) 2-Methylnaphthalene	12.08	142	1382	0.08	ng	95
10) Acenaphthylene	13.98	152	1791	0.07	ng	100
11) Acenaphthene	14.33	154	1358	0.08	ng	97
12) Fluorene	15.32	166	1610	0.08	ng	98
14) Hexachlorobenzene	16.33	284	625	0.08	ng	# 99
16) Phenanthrene	17.05	178	2865m	0.08	ng	
17) Anthracene	17.15	178	2372	0.08	ng	98
18) Fluoranthene	19.09	202	2786	0.08	ng	98
20) Pyrene	19.45	202	2885	0.08	ng	98
22) Benzo(a)anthracene	21.20	228	2715	0.09	ng	97
23) Chrysene	21.24	228	3064	0.09	ng	98
24) Indeno(1,2,3-cd)pyrene	25.59	276	2718	0.08	ng	100
26) Benzo(b)fluoranthene	22.74	252	2512	0.08	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2659	0.09	ng	# 79
28) Benzo(a)pyrene	23.30	252	2229	0.08	ng	# 75
29) Dibenzo(a,h)anthracene	25.60	278	2143	0.08	ng	# 80
30) Benzo(g,h,i)perylene	26.26	276	2539	0.09	ng	# 91

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

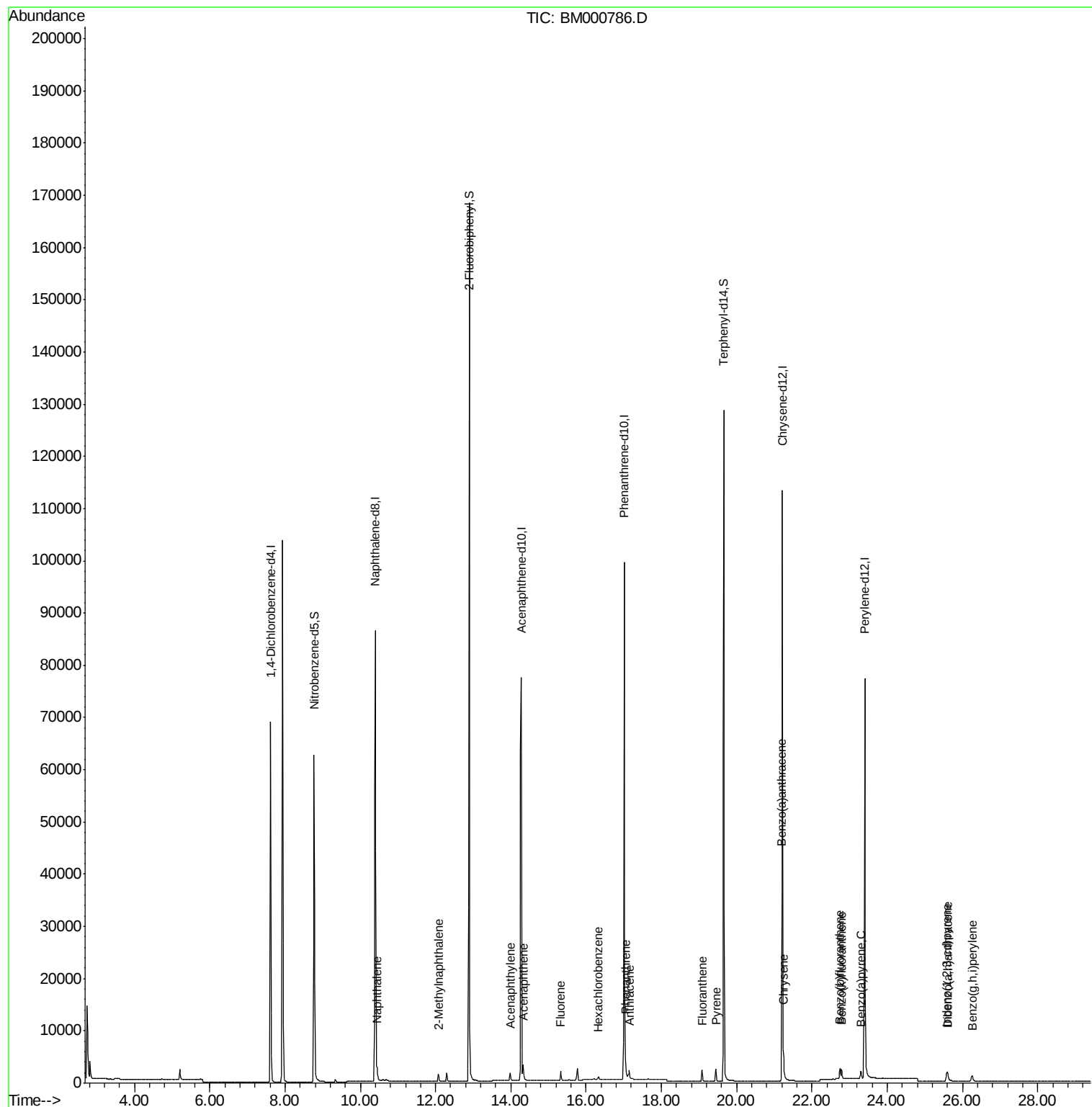
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000786.D
Acq On : 01 Apr 2015 14:20
Operator : TP/IZ
Sample : MDL-06-W
Misc : MDL-WATER-0.1/0.2PPM
ALS Vial : 26 Sample Multiplier: 1

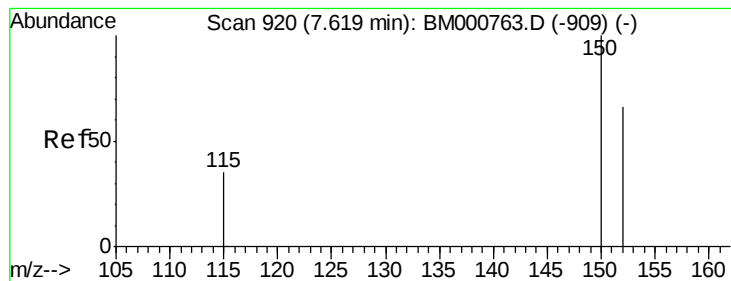
Instrument :
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ClientSampleId :
MDL-06-W

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Quant Time: Apr 01 15:33:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
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QLast Update : Wed Apr 01 04:17:30 2015
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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: BM000786.D

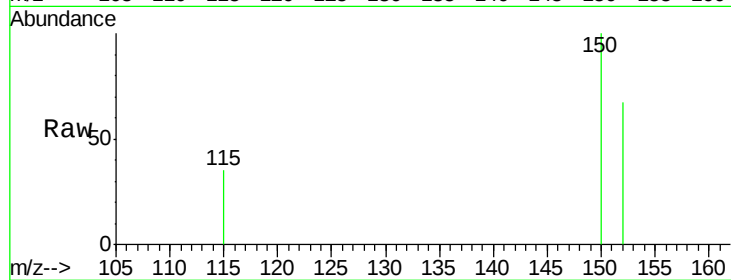
Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

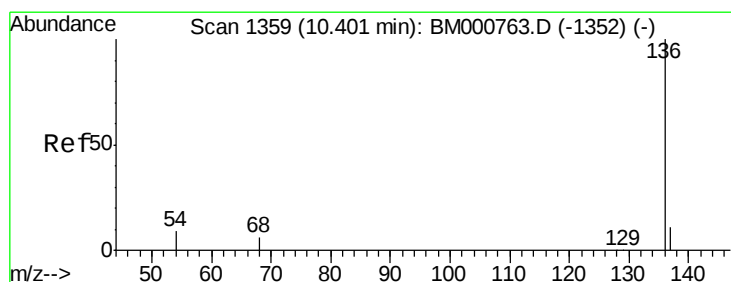
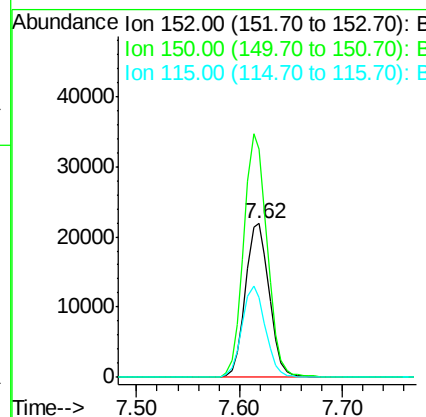
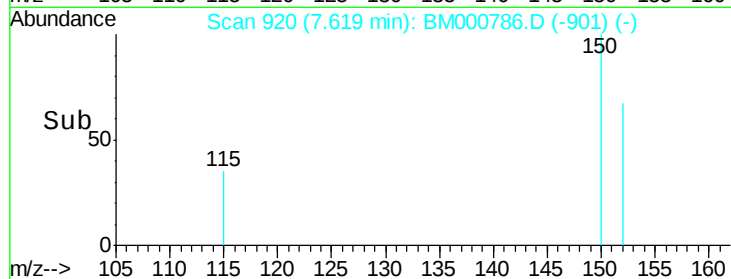
MDL-06-W



Tgt Ion:	152	Resp:	35264
Ion Ratio	Lower	Upper	
152	100		
150	148.4	120.8	181.2
115	52.0	42.7	64.1

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#4

Naphthalene-d8

Concen: 5.00 ng

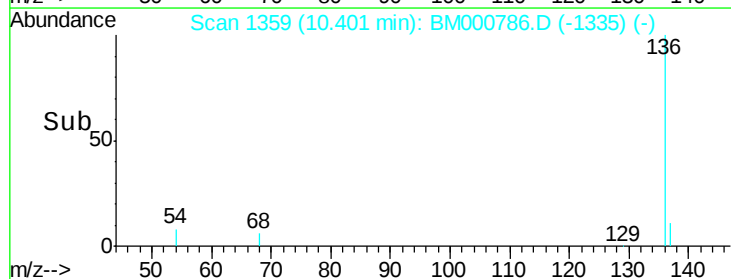
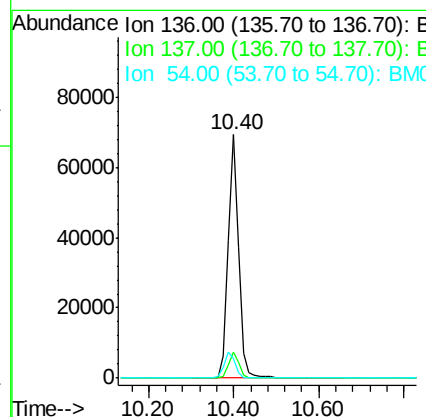
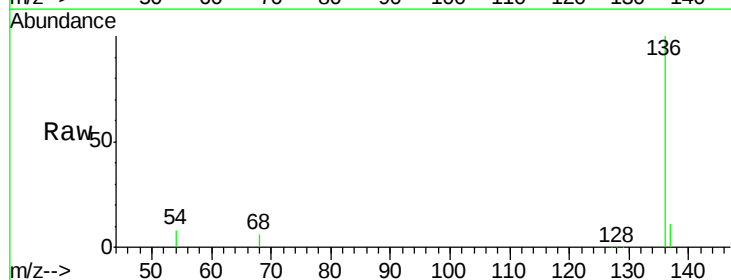
RT: 10.40 min Scan# 1359

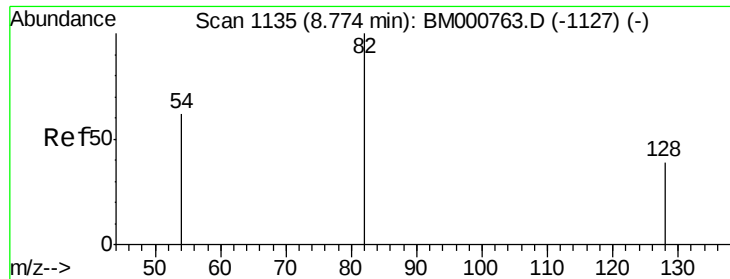
Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	136	Resp:	118796
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	8.3	7.0	10.6





#5

Nitrobenzene-d5

Concen: 7.62 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000786.D

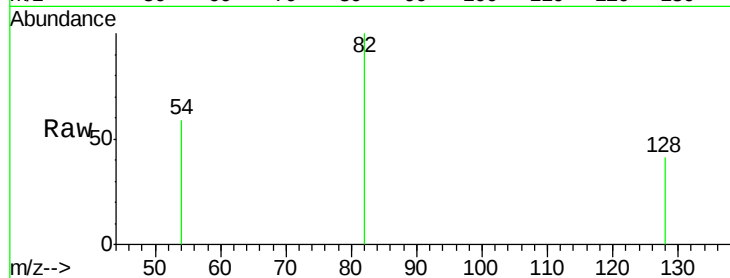
Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

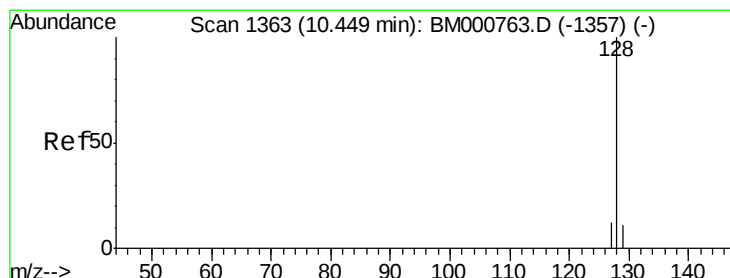
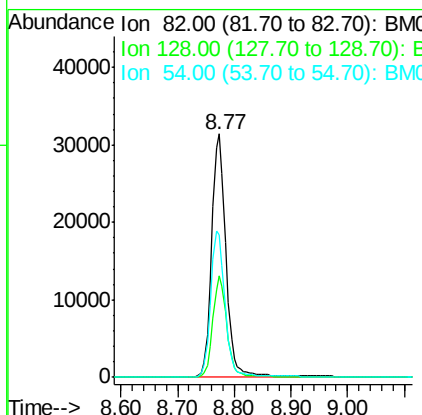
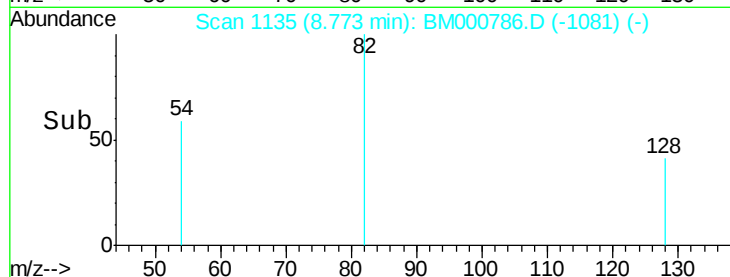
MDL-06-W



Tgt Ion:	82	Resp:	55495
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.2	48.2
54	58.8	50.2	75.4

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#6

Naphthalene

Concen: 0.08 ng

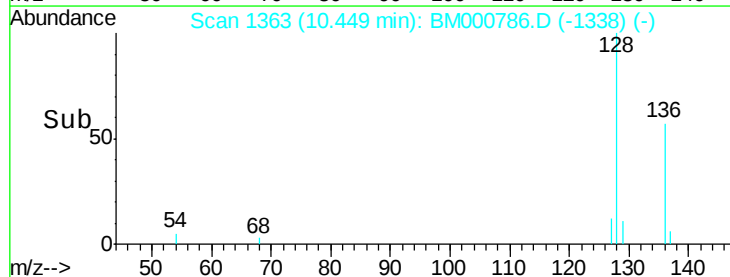
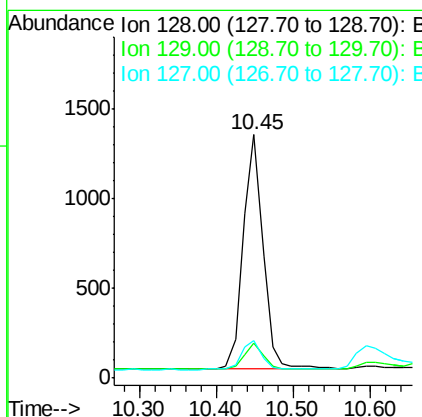
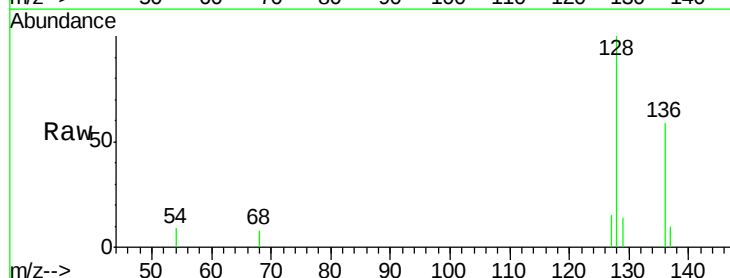
RT: 10.45 min Scan# 1363

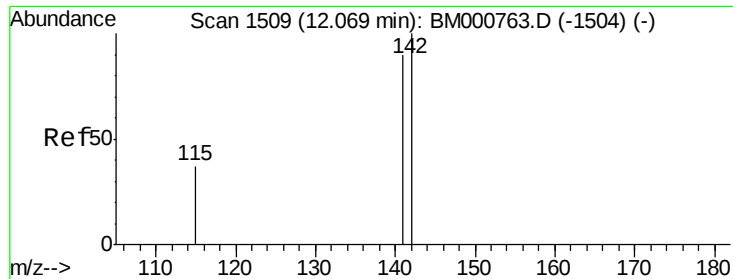
Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	128	Resp:	2302
Ion Ratio	Lower	Upper	
128	100		
129	14.3	8.9	13.3#
127	15.4	10.0	15.0#





#7

2-Methylnaphthalene

Concen: 0.08 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

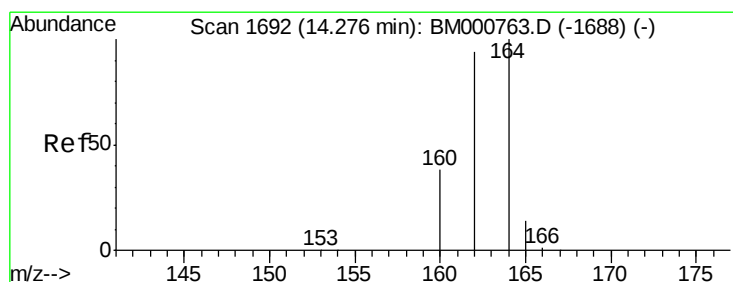
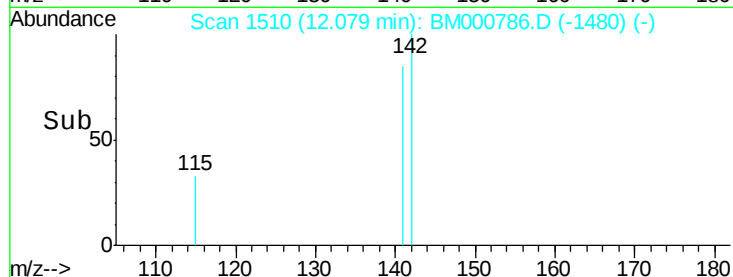
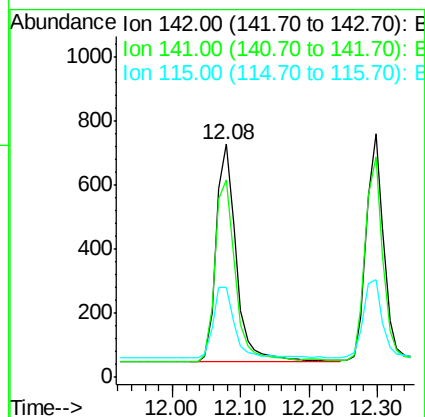
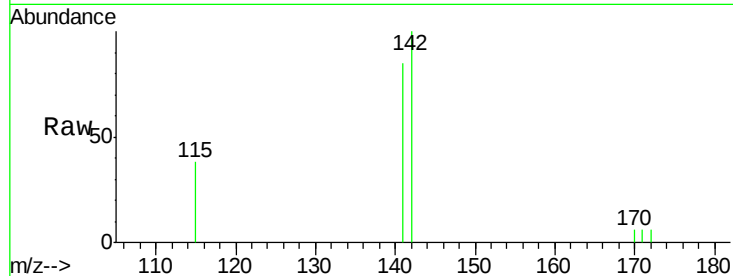
ClientSampleId :

MDL-06-W

Tgt Ion:	142	Resp:	1382
Ion Ratio	Lower	Upper	
142	100		
141	84.6	72.3	108.5
115	38.4	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

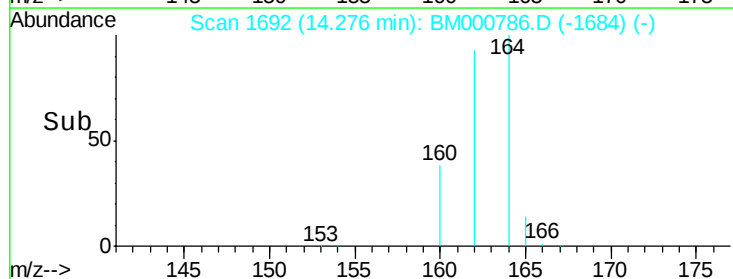
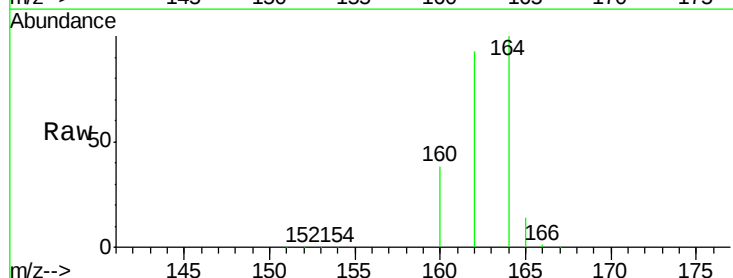
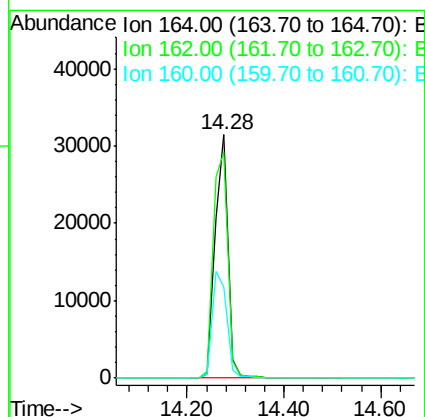
RT: 14.28 min Scan# 1692

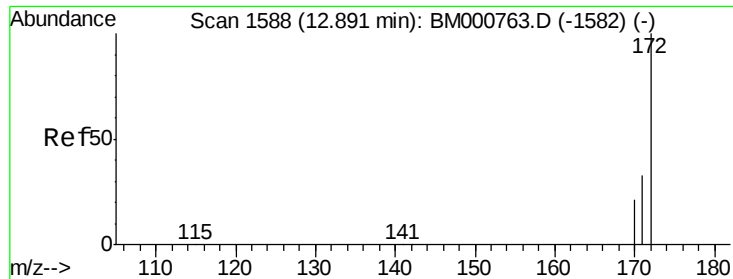
Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	164	Resp:	57352
Ion Ratio	Lower	Upper	
164	100		
162	92.9	75.4	113.2
160	37.6	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.42 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

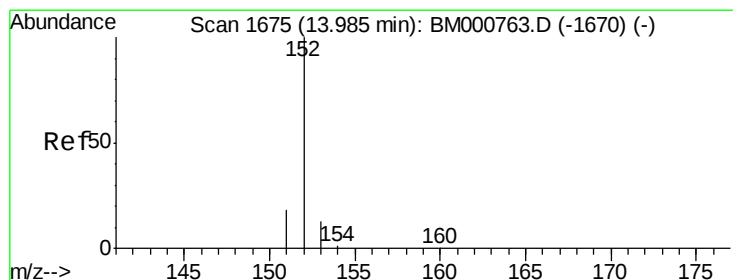
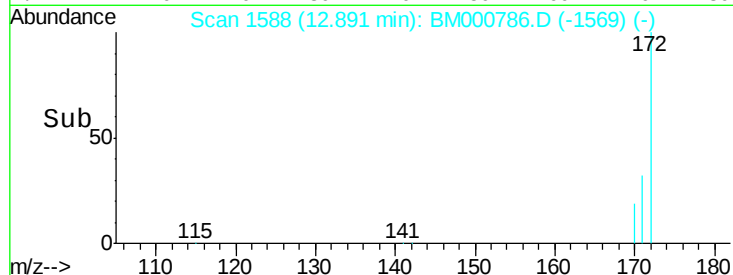
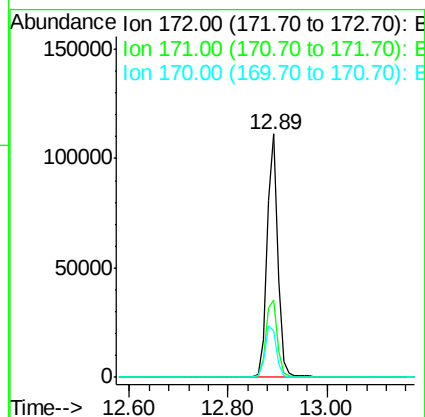
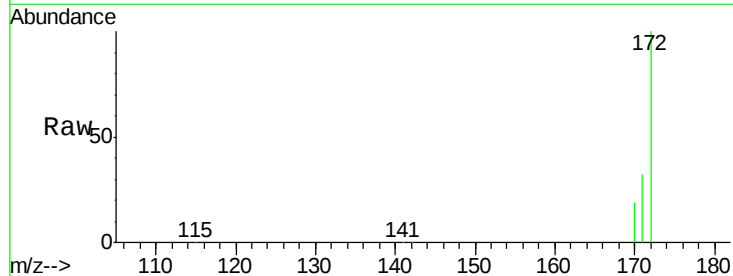
ClientSampleId :

MDL-06-W

Tgt Ion:	172	Resp:	167626
Ion Ratio	Lower	Upper	
172	100		
171	31.7	26.6	39.8
170	19.2	17.1	25.7

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#10

Acenaphthylene

Concen: 0.07 ng

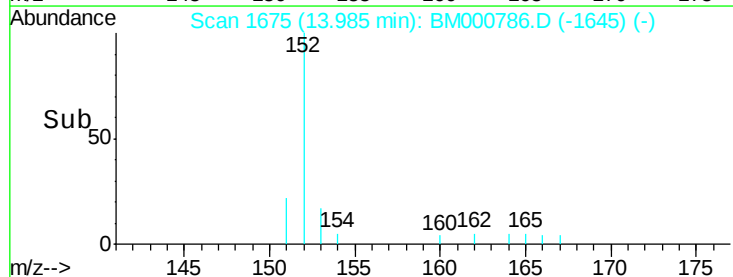
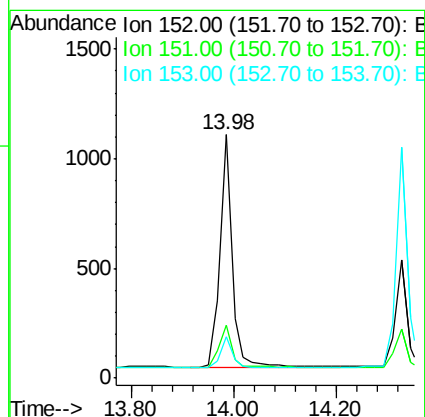
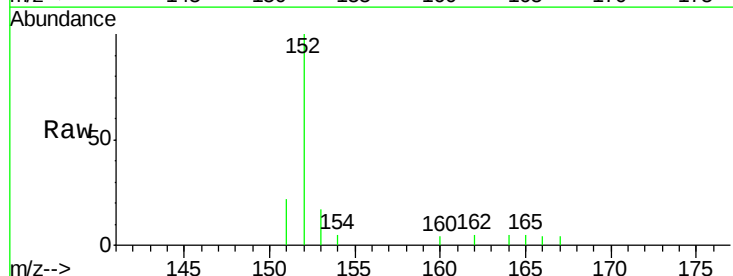
RT: 13.98 min Scan# 1675

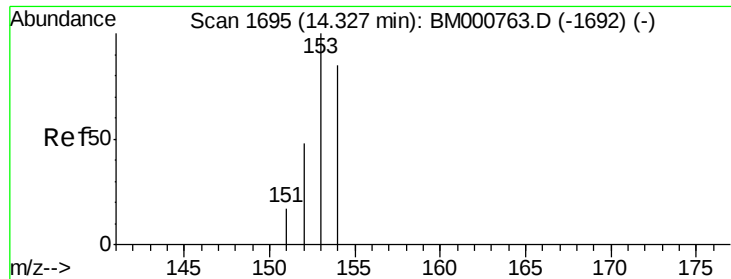
Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	152	Resp:	1791
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.1	22.7
153	12.7	10.2	15.4





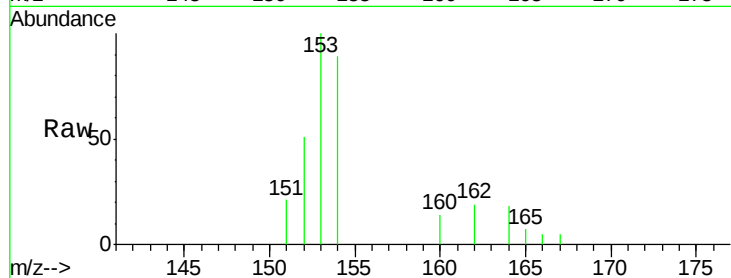
#11
Acenaphthene
Concen: 0.08 ng
RT: 14.33 min Scan# 1695
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampled :
MDL-06-W

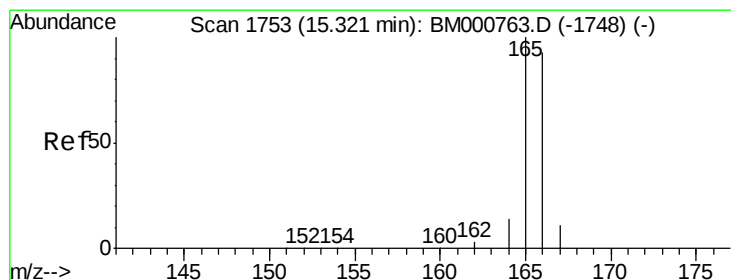
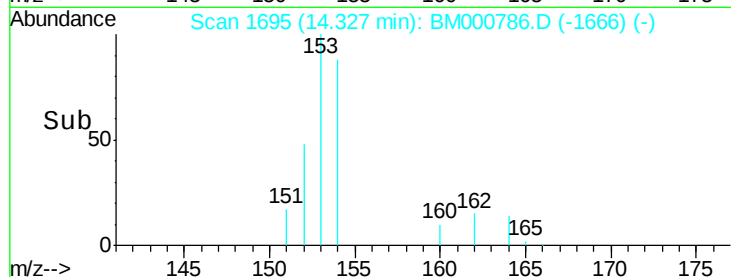
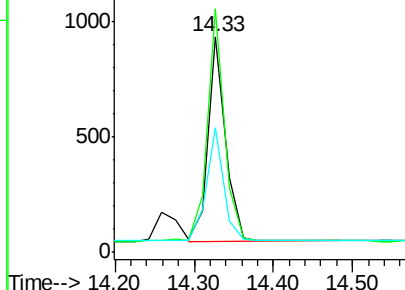
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.4	87.3	130.9
152	55.5	43.0	64.6

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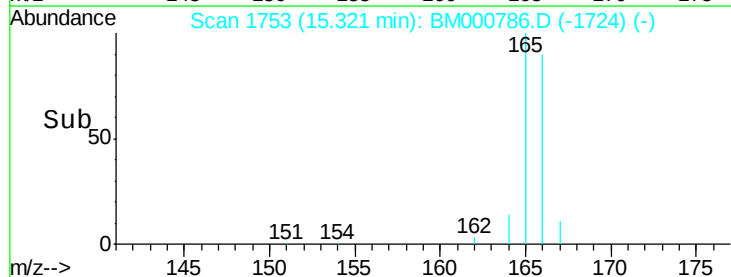
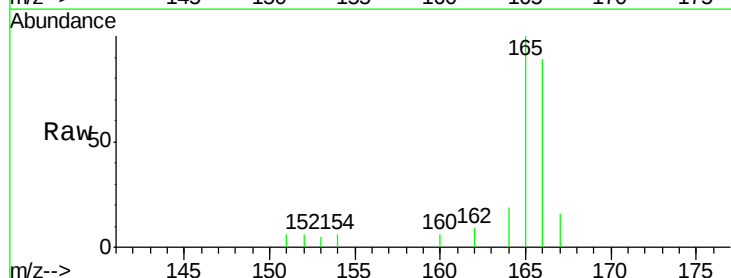
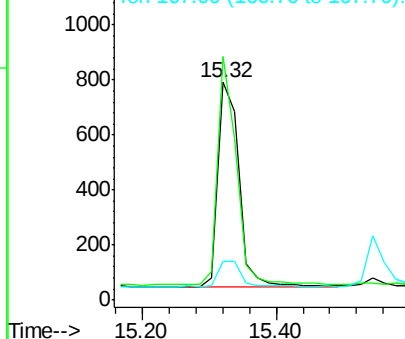
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Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

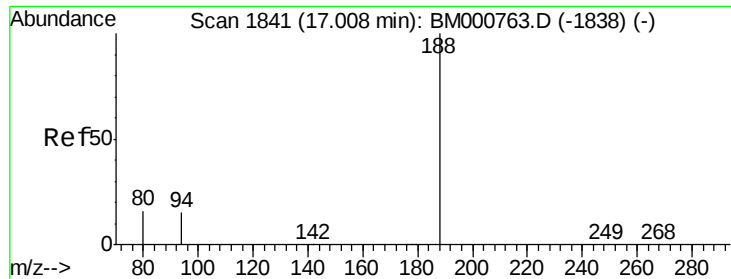


#12
Fluorene
Concen: 0.08 ng
RT: 15.32 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.2	117.2
167	13.5	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





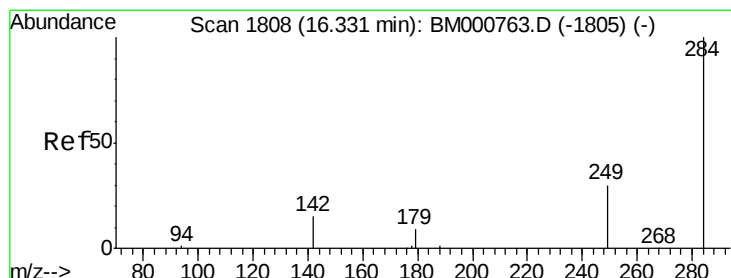
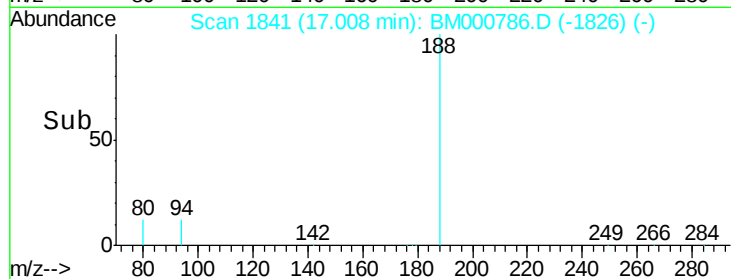
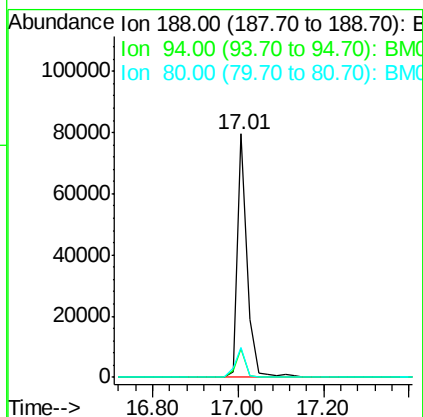
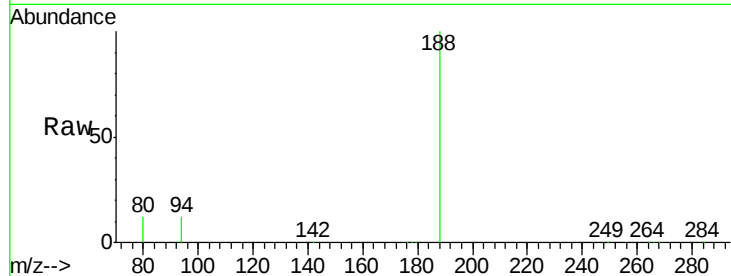
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	12.0	18.0#
80	12.4	12.8	19.2#

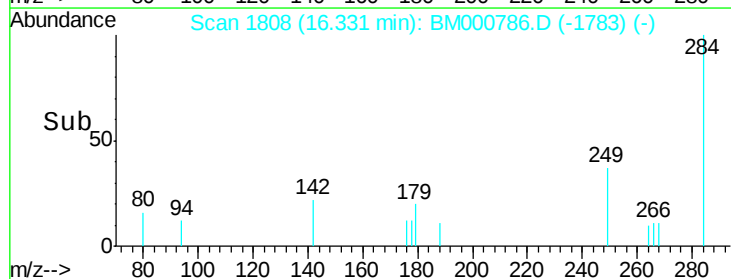
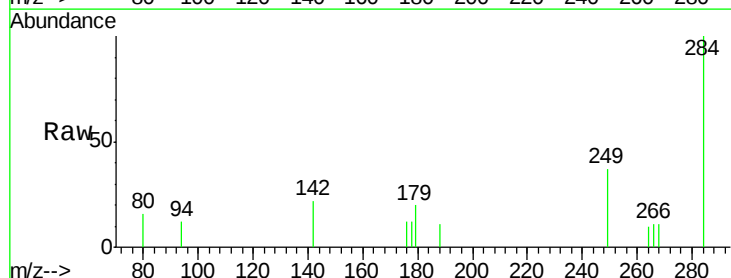
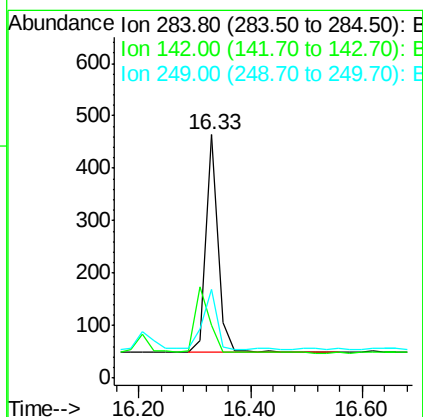
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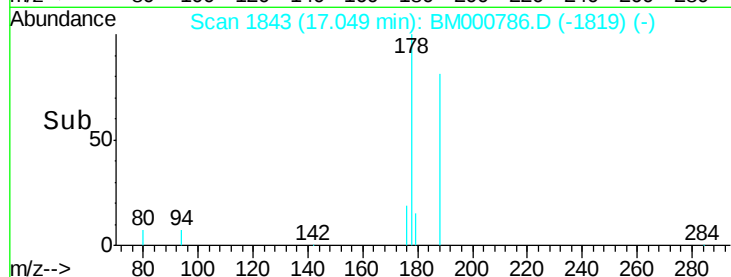
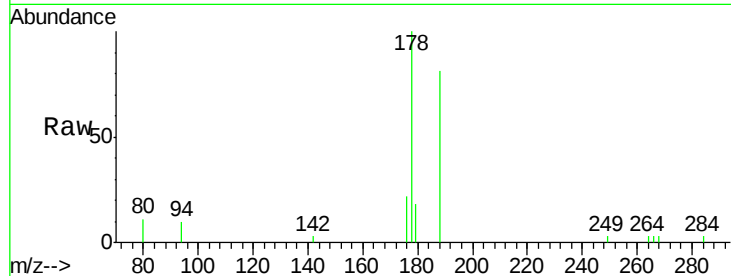
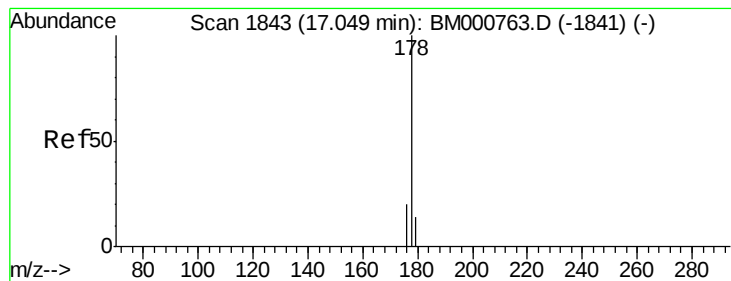
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#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	0.0	0.0	0.0
249	31.0	25.2	37.8





#16

Phenanthrene

Concen: 0.08 ng m

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	178	Resp:	2865
Ion Ratio	Lower	Upper	
178	100		
176	14.1	15.3	22.9#
179	12.3	12.2	18.2

Instrument :

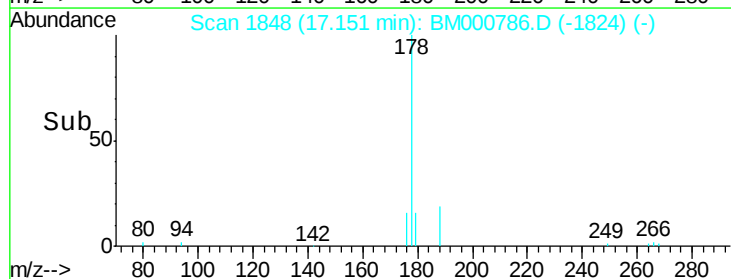
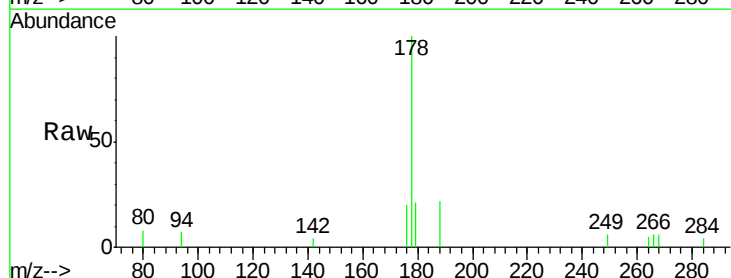
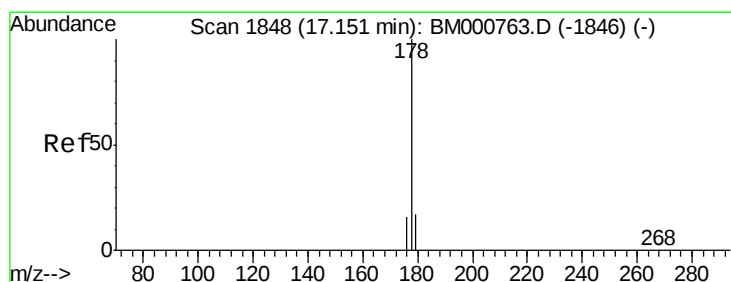
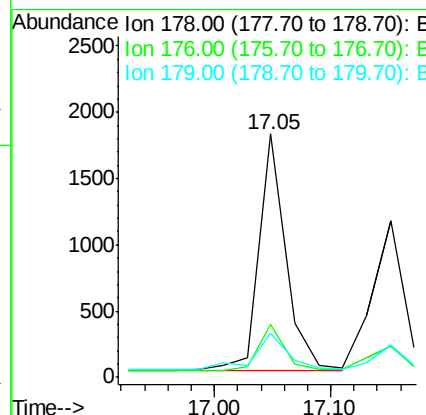
BNA_M

ClientSampleId :

MDL-06-W

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#17

Anthracene

Concen: 0.08 ng

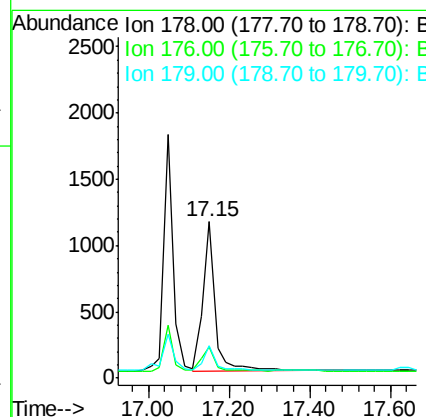
RT: 17.15 min Scan# 1848

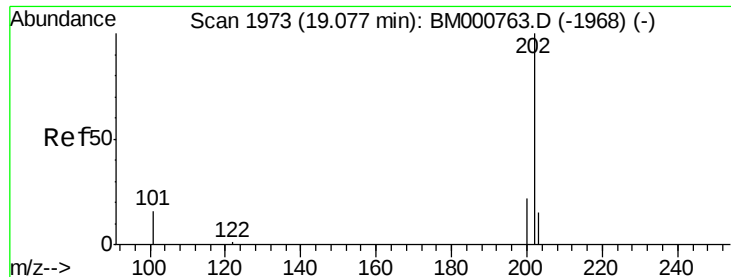
Delta R.T. -0.00 min

Lab File: BM000786.D

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Tgt Ion:	178	Resp:	2372
Ion Ratio	Lower	Upper	
178	100		
176	17.0	14.6	22.0
179	14.8	12.2	18.4





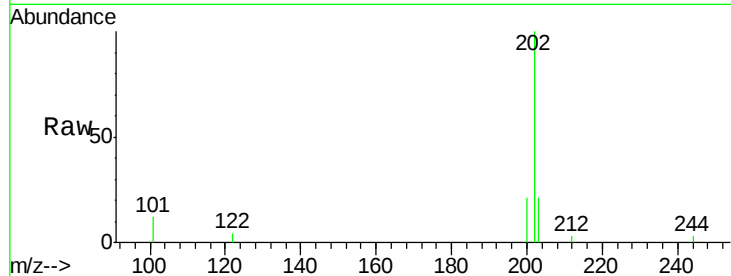
#18
Fluoranthene
Concen: 0.08 ng
RT: 19.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-06-W

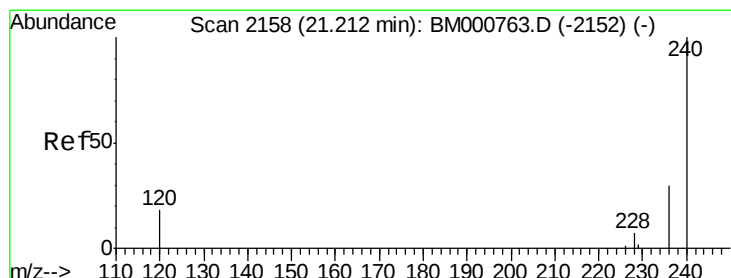
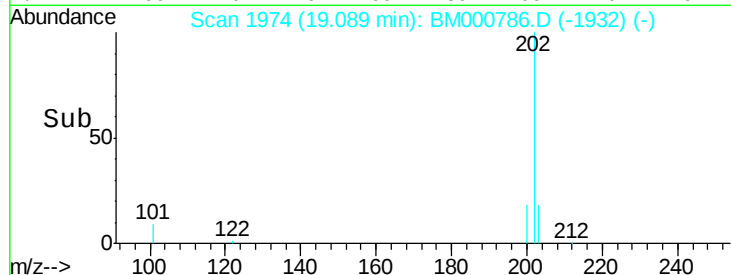
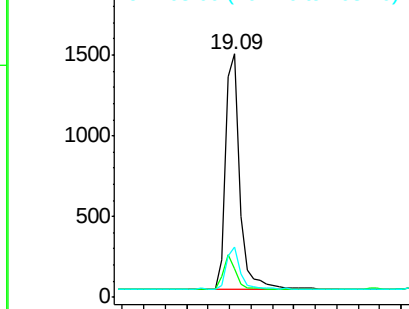
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2786		
101	13.8		10.5	15.7
203	17.9		13.8	20.8

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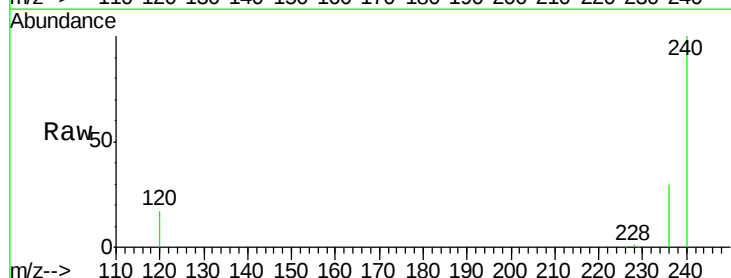


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

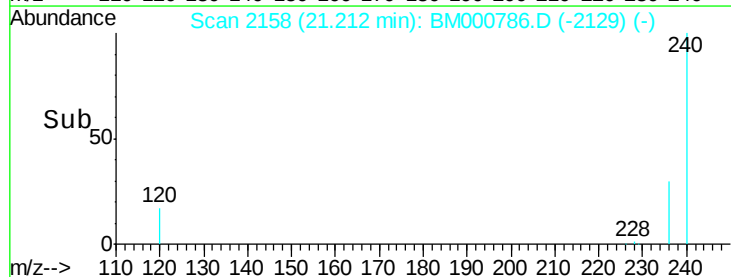
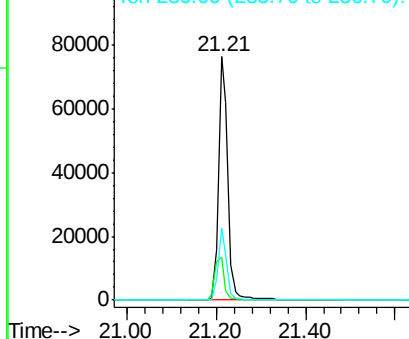


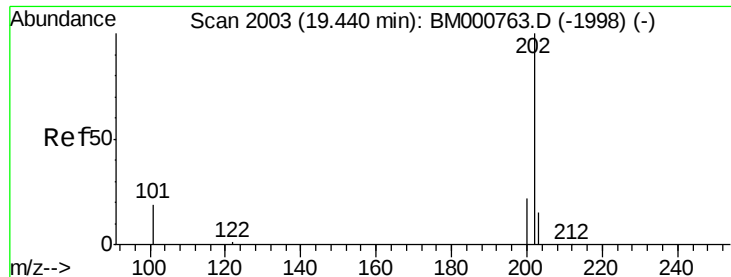
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	109617		
120	17.4		14.9	22.3
236	29.7		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





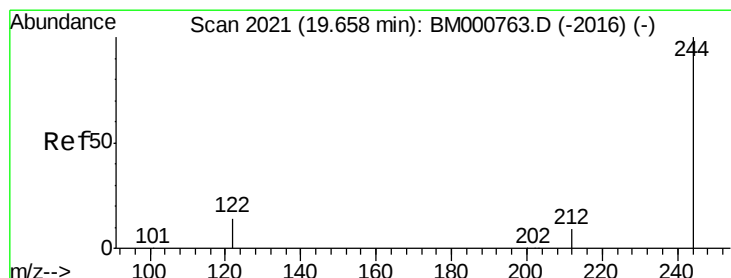
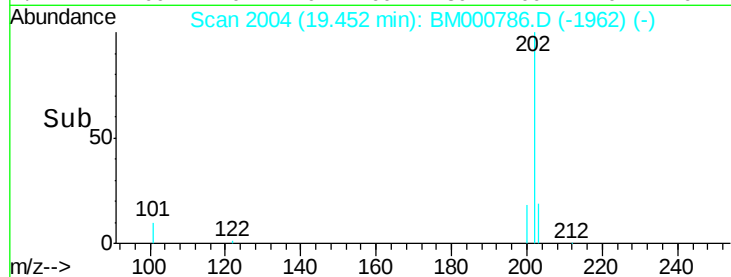
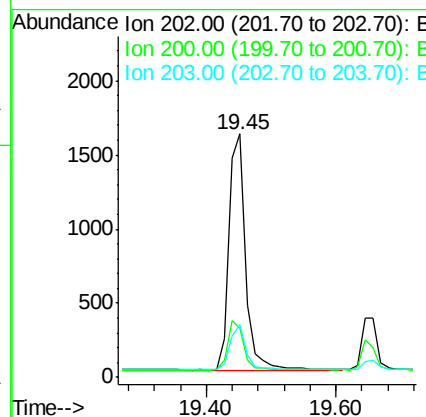
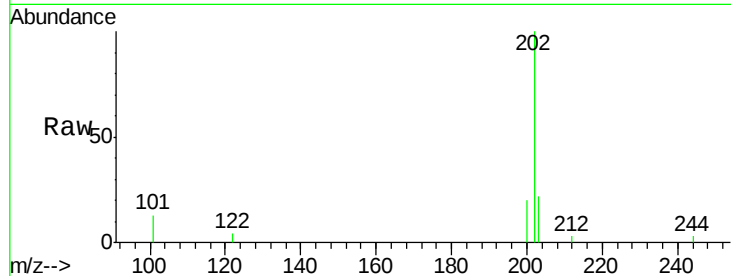
#20
Pyrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	16.2	24.2
203	18.6	13.9	20.9

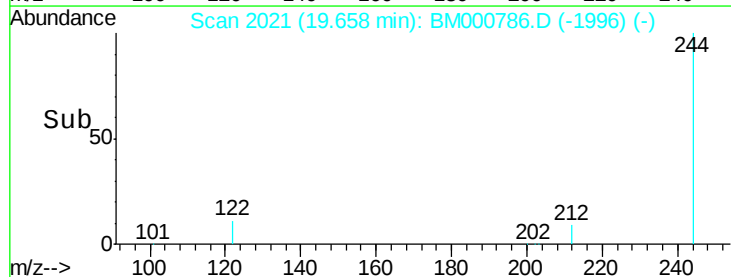
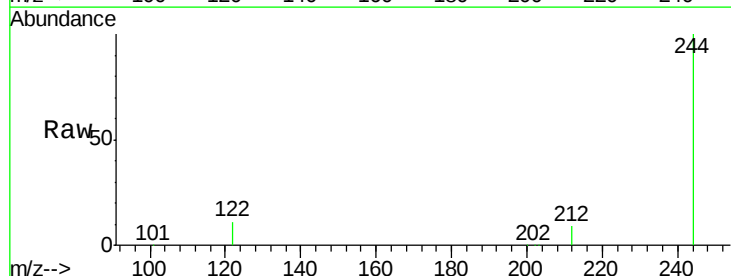
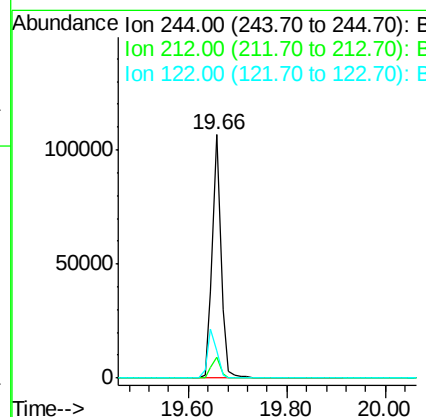
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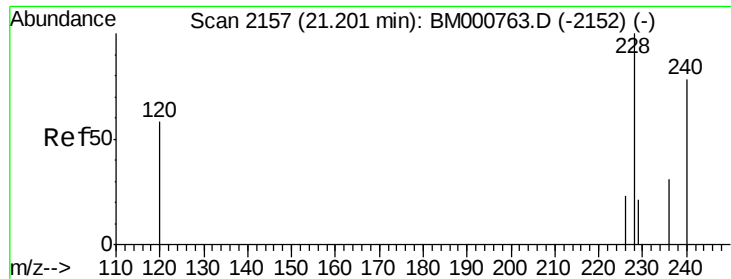
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#21
Terphenyl-d14
Concen: 10.10 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.8	7.8	11.6
122	11.1	11.8	17.8#





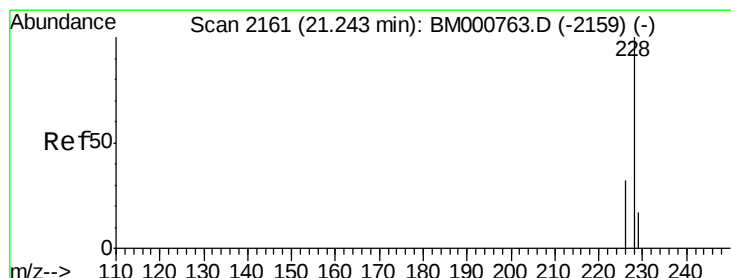
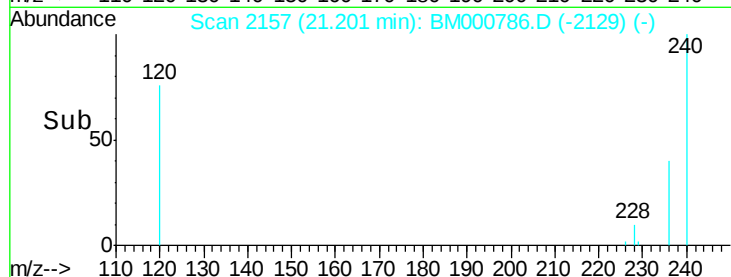
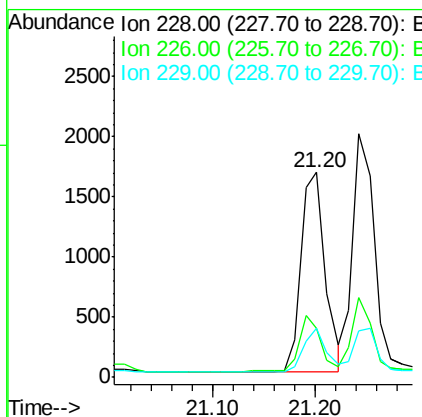
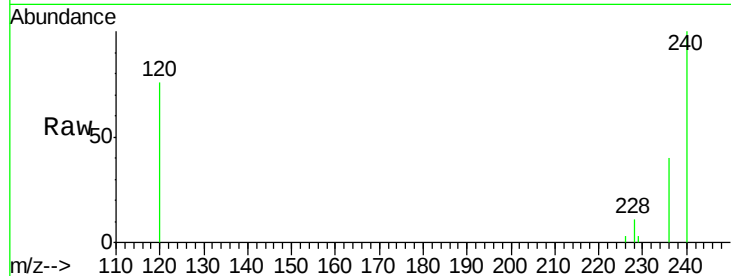
#22
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.20 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-06-W

Tgt Ion: 228 Resp: 2715
Ion Ratio Lower Upper
228 100
226 23.9 18.6 27.8
229 24.1 17.2 25.8

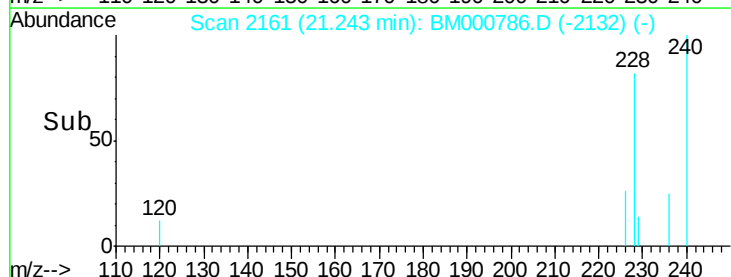
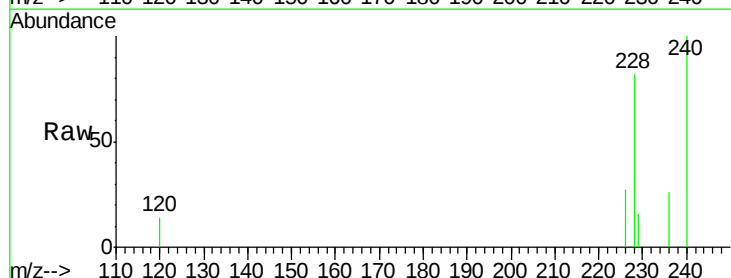
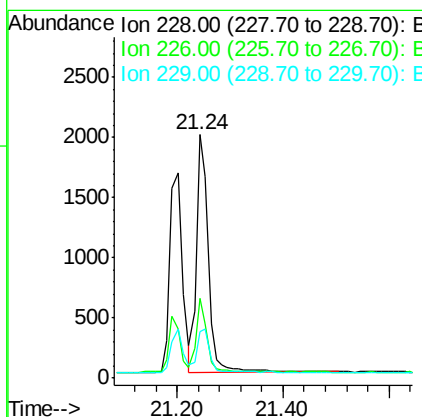
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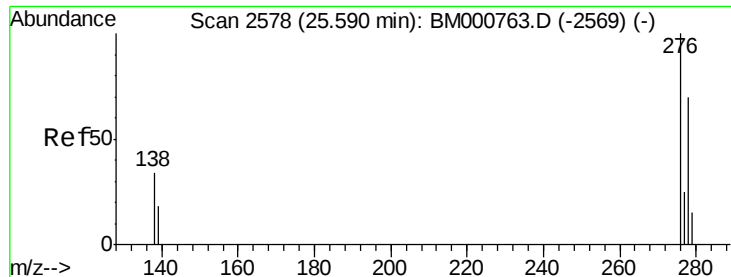
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#23
Chrysene
Concen: 0.09 ng
RT: 21.24 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

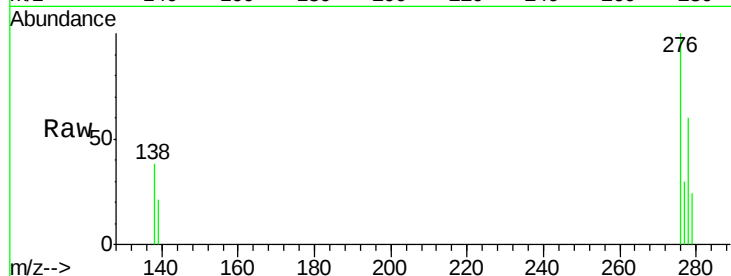
Tgt Ion: 228 Resp: 3064
Ion Ratio Lower Upper
228 100
226 33.0 25.8 38.8
229 19.2 13.8 20.6





#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: BM000786.D
Acq: 01 Apr 2015 14:20

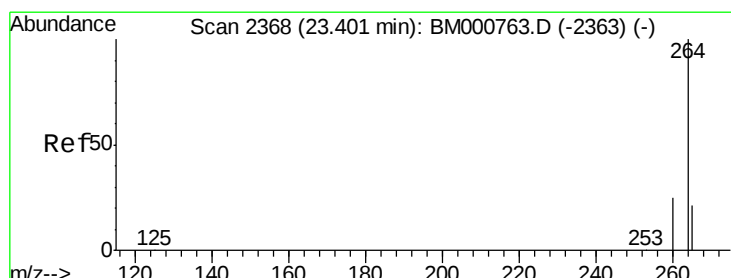
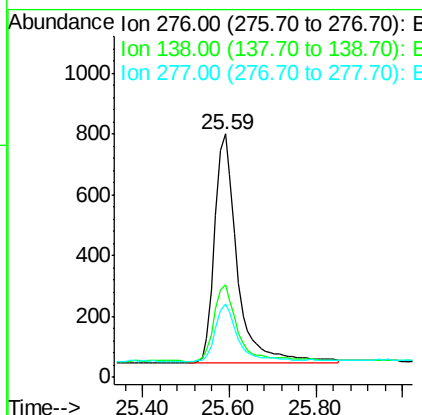
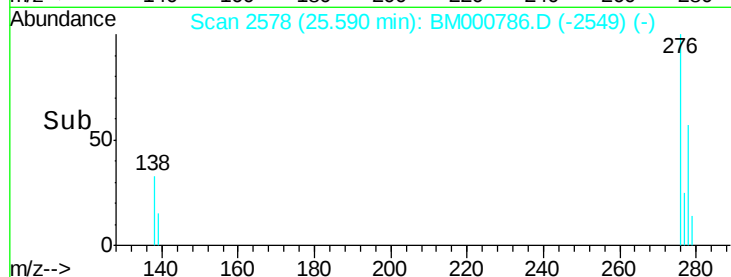
Instrument :
BNA_M
ClientSampled :
MDL-06-W



Tgt Ion: 276 Resp: 2718
Ion Ratio Lower Upper
276 100
138 34.0 27.4 41.2
277 24.7 19.7 29.5

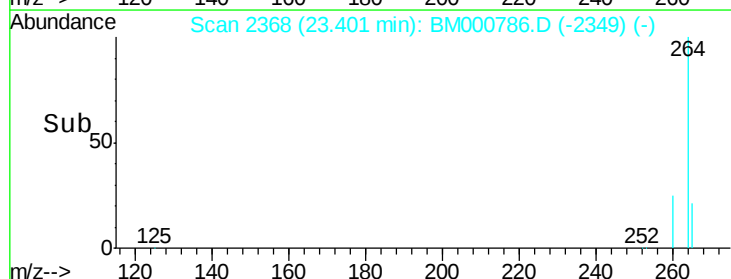
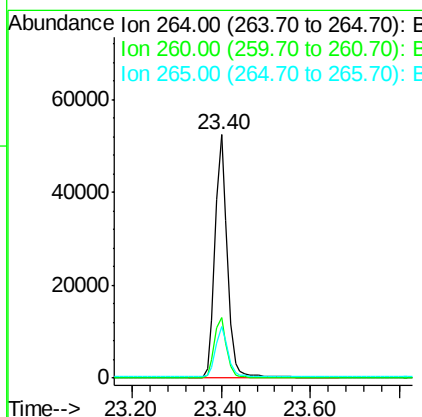
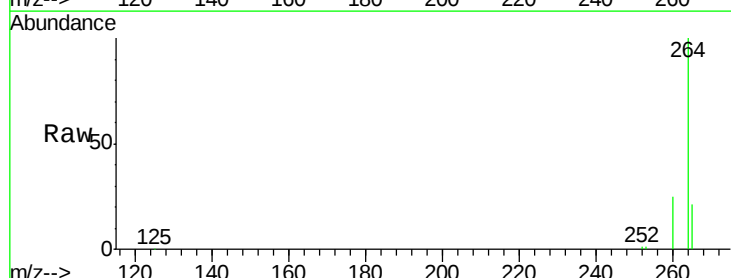
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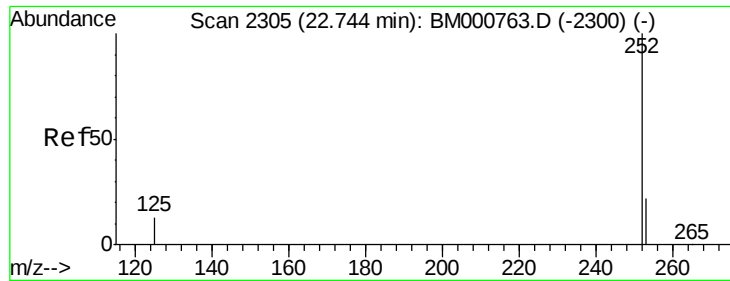
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion: 264 Resp: 100767
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 21.4 17.4 26.0





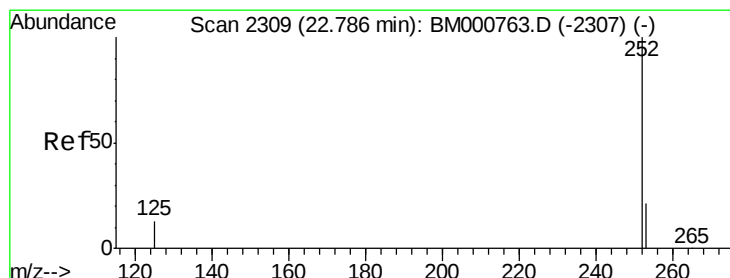
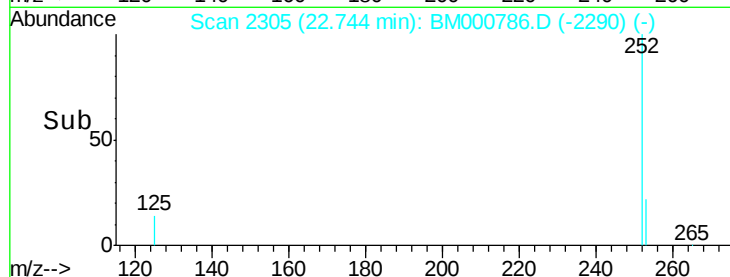
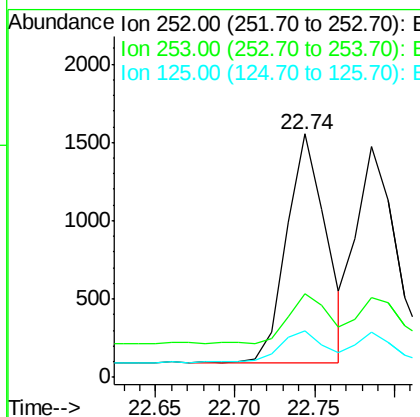
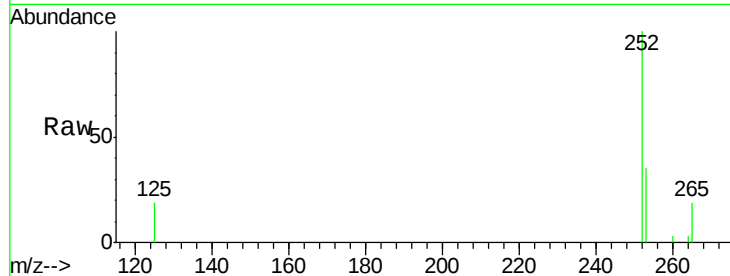
#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	18.5	27.7#
125	18.9	10.6	16.0#

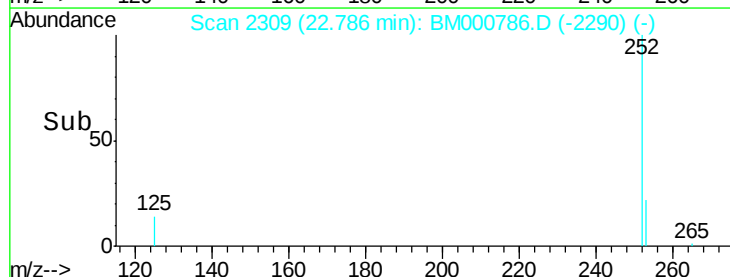
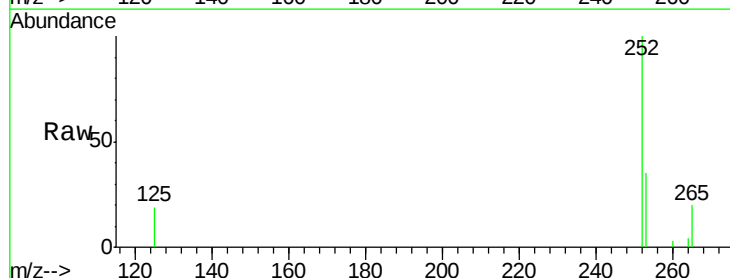
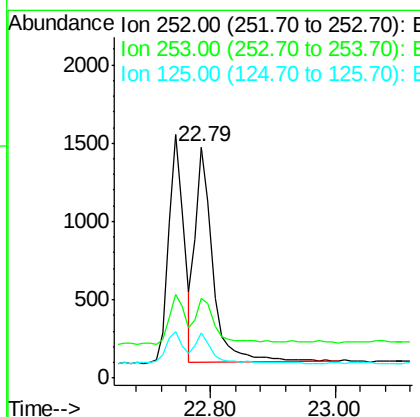
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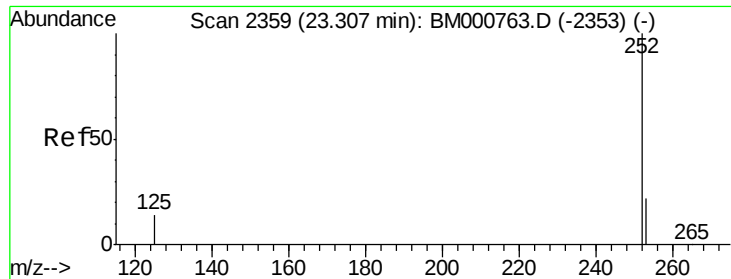
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#27
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	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: BM000786.D

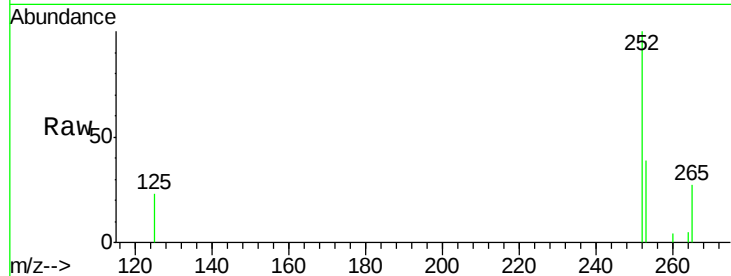
Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampled :

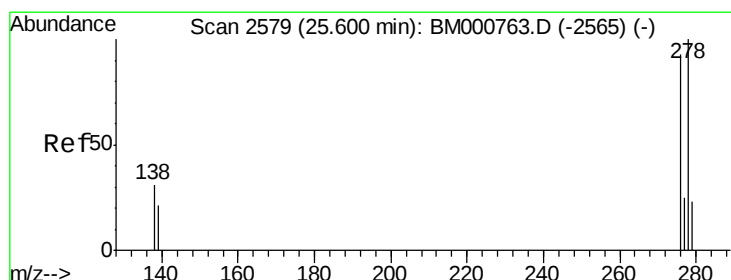
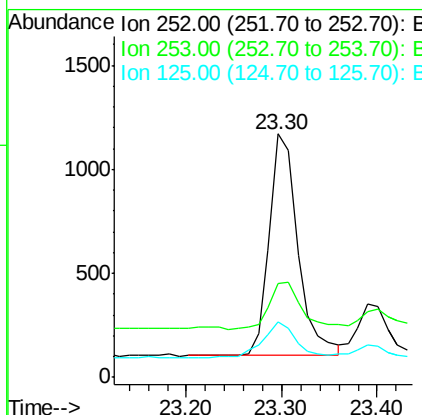
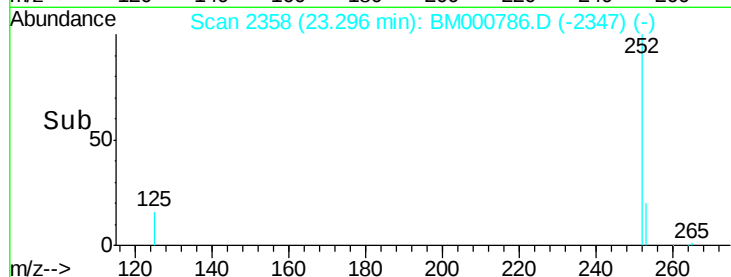
MDL-06-W



Tgt Ion:	252	Resp:	2229
Ion Ratio	Lower	Upper	
252	100		
253	38.6	19.4	29.2#
125	22.5	11.5	17.3#

Manual Integrations
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#29

Dibenzo(a,h)anthracene

Concen: 0.08 ng

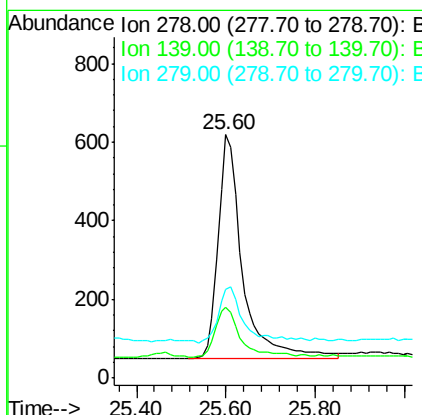
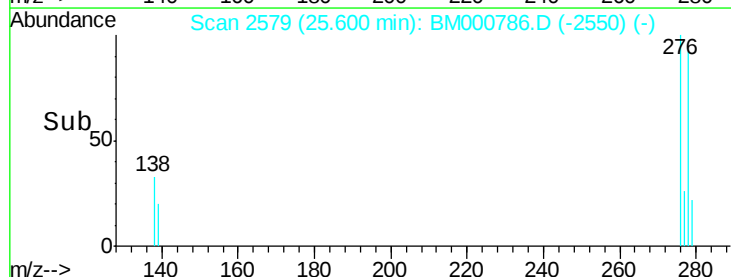
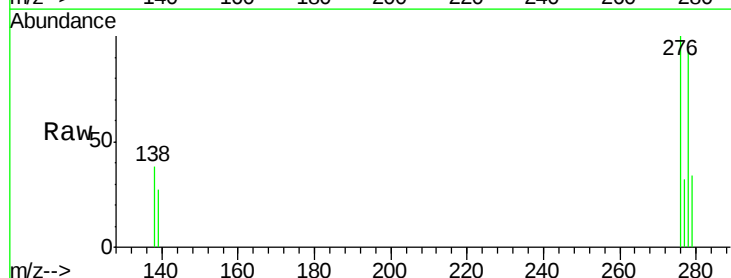
RT: 25.60 min Scan# 2579

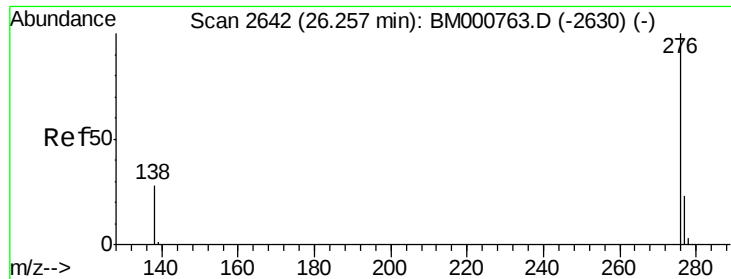
Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Tgt Ion:	278	Resp:	2143
Ion Ratio	Lower	Upper	
278	100		
139	29.2	17.8	26.6#
279	36.2	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.09 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

Lab File: BM000786.D

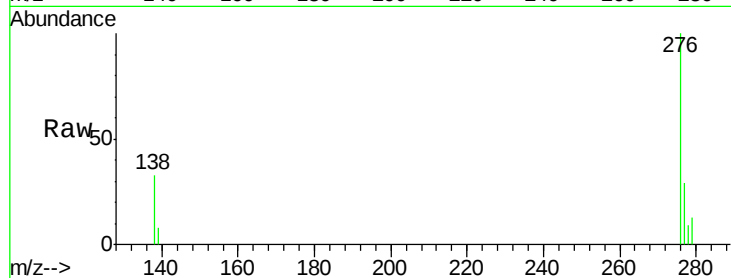
Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-06-W



Tgt Ion: 276 Resp: 2539

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7#

138 33.3 23.1 34.7

Manual Integrations

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