

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000782.D
 Acq On : 01 Apr 2015 11:57
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Manual Integrations
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Quant Time: Apr 01 15:30:23 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	7.61	152	36757	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	125867	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	61097	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	133351	5.00	ng	0.00
19) Chrysene-d12	21.21	240	111031	5.00	ng	0.00
25) Perylene-d12	23.40	264	103364	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	63699	8.24	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	192024	10.13	ng	0.00
21) Terphenyl-d14	19.66	244	145828	10.91	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2329	0.08	ng	# 93
7) 2-Methylnaphthalene	12.08	142	1372	0.07	ng	96
10) Acenaphthylene	13.98	152	1785	0.07	ng	98
11) Acenaphthene	14.33	154	1418	0.08	ng	99
12) Fluorene	15.32	166	1623	0.08	ng	98
14) Hexachlorobenzene	16.33	284	613	0.08	ng	# 76
16) Phenanthrene	17.05	178	2915m	0.08	ng	
17) Anthracene	17.15	178	2288	0.07	ng	98
18) Fluoranthene	19.09	202	2674	0.07	ng	99
20) Pyrene	19.45	202	2794	0.08	ng	99
22) Benzo(a)anthracene	21.20	228	2677	0.08	ng	97
23) Chrysene	21.24	228	2957	0.09	ng	97
24) Indeno(1,2,3-cd)pyrene	25.58	276	2657	0.08	ng	99
26) Benzo(b)fluoranthene	22.74	252	2494	0.08	ng	# 81
27) Benzo(k)fluoranthene	22.79	252	2511	0.08	ng	# 80
28) Benzo(a)pyrene	23.30	252	2193	0.08	ng	# 73
29) Dibenzo(a,h)anthracene	25.60	278	2156	0.08	ng	# 80
30) Benzo(g,h,i)perylene	26.26	276	2480	0.08	ng	# 92

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

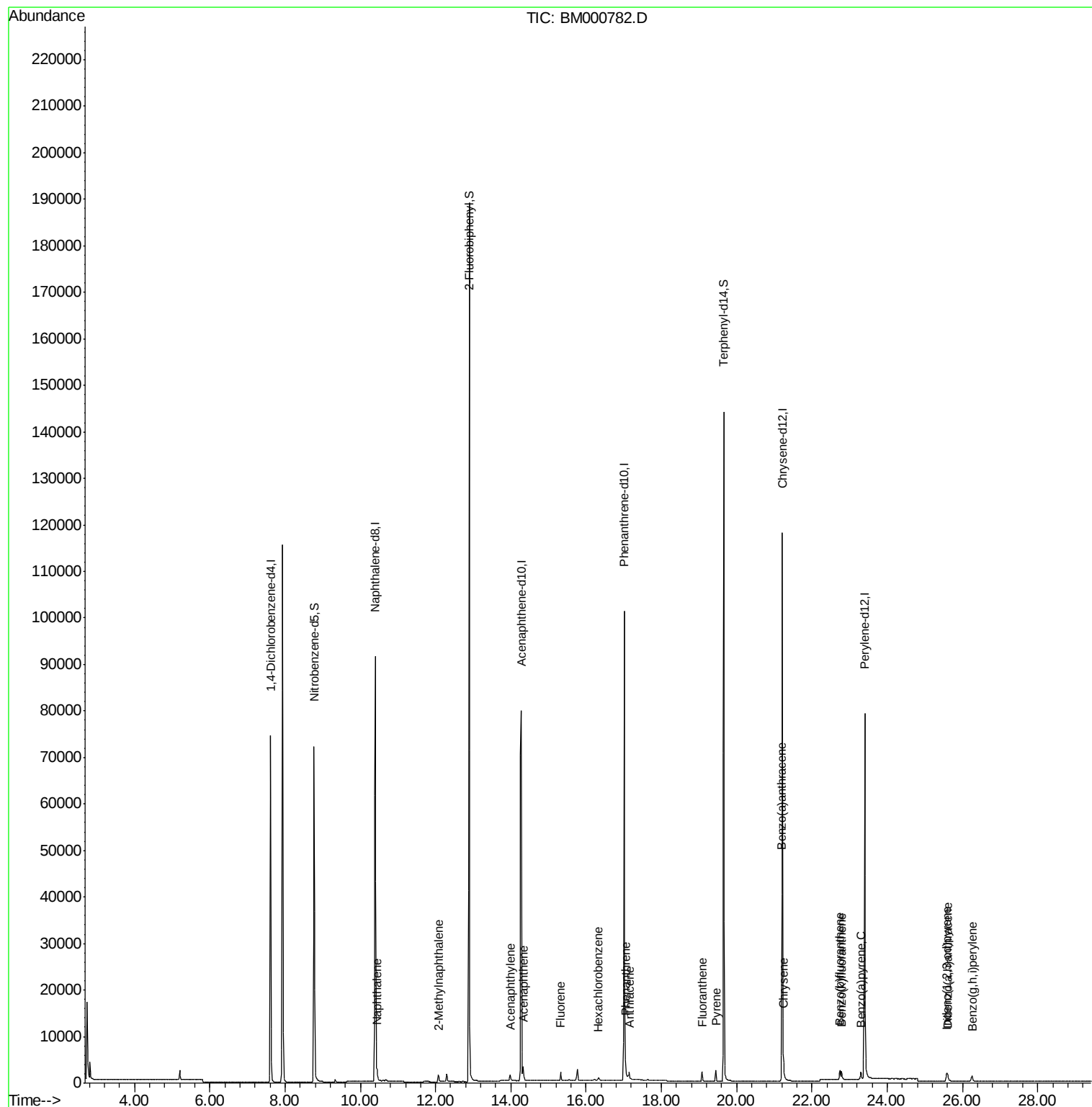
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000782.D
Acq On : 01 Apr 2015 11:57
Operator : TP/IZ
Sample : MDL-02-W
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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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
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 919

Delta R.T. -0.01 min

Lab File: BM000782.D

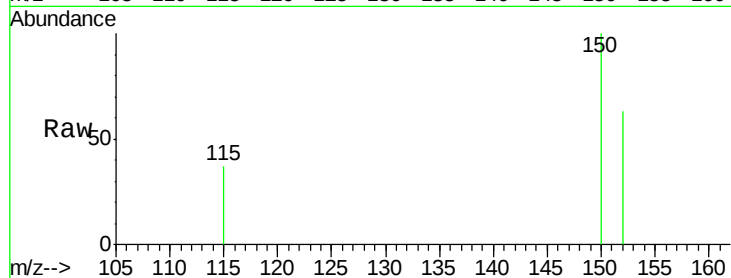
Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampled :

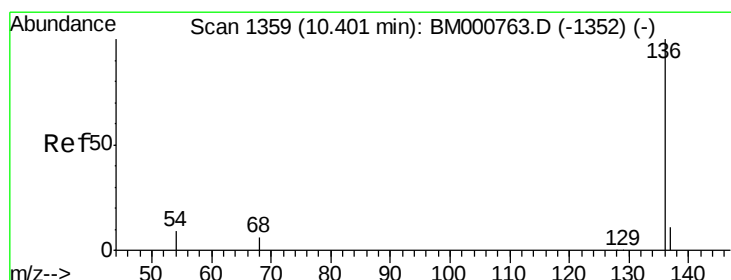
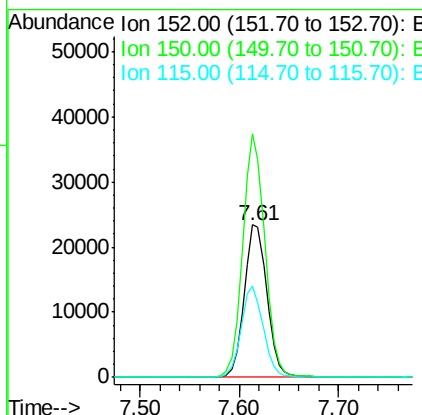
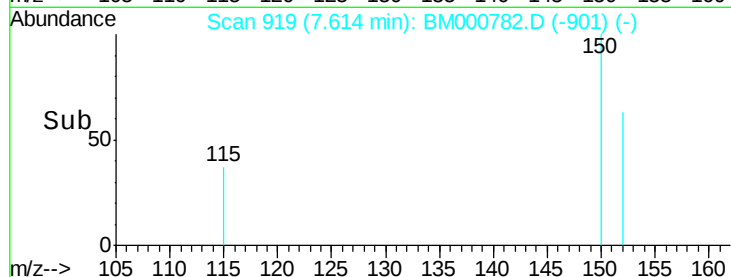
MDL-02-W



Tgt Ion:	152	Resp:	36757
Ion Ratio	Lower	Upper	
152	100		
150	159.8	120.8	181.2
115	59.7	42.7	64.1

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#4

Naphthalene-d8

Concen: 5.00 ng

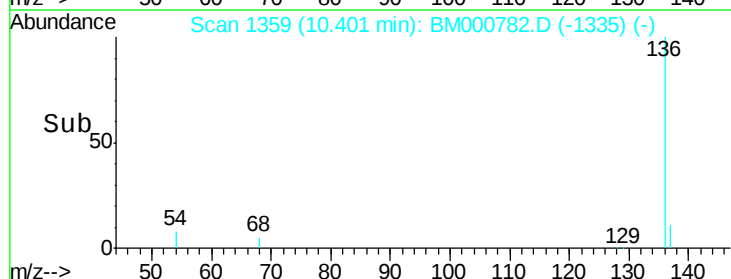
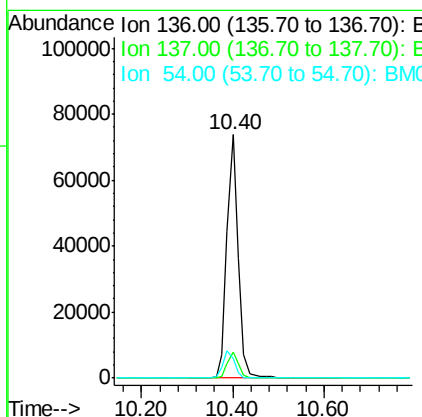
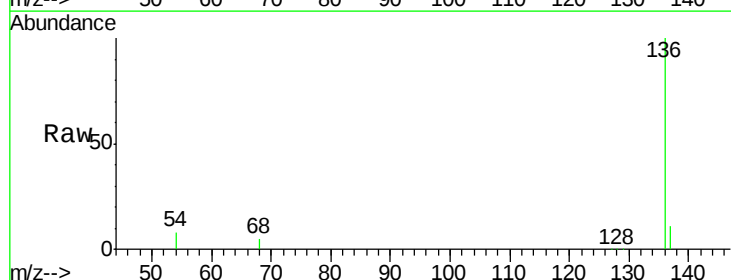
RT: 10.40 min Scan# 1359

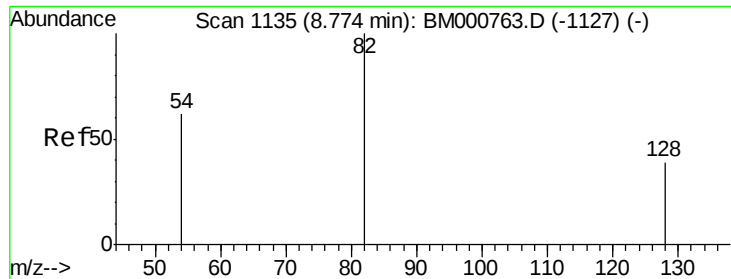
Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Tgt Ion:	136	Resp:	125867
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	7.8	7.0	10.6





#5

Nitrobenzene-d5

Concen: 8.24 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000782.D

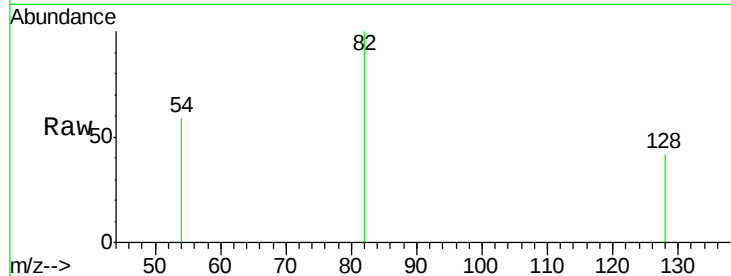
Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

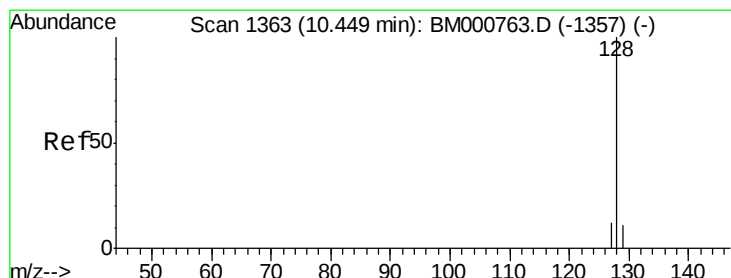
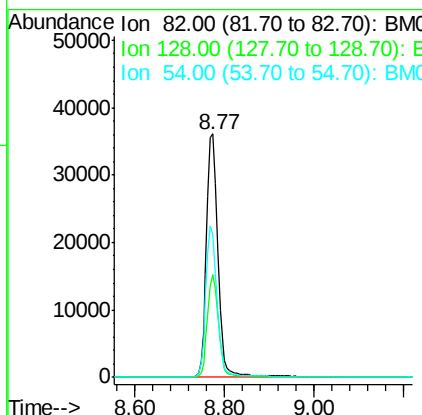
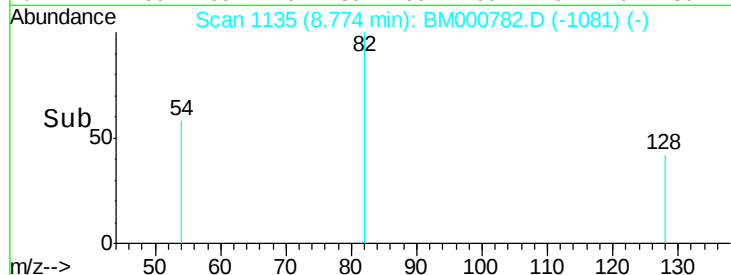
MDL-02-W



Tgt Ion:	82	Resp:	63699
Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.2	48.2
54	58.5	50.2	75.4

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#6

Naphthalene

Concen: 0.08 ng

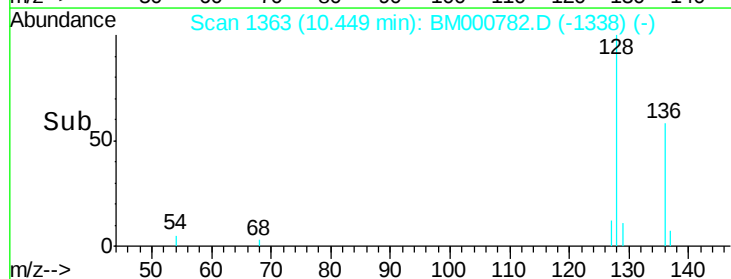
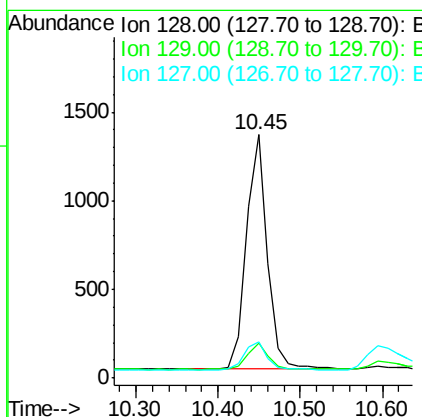
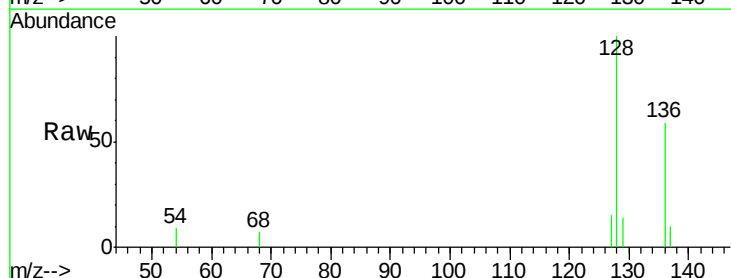
RT: 10.45 min Scan# 1363

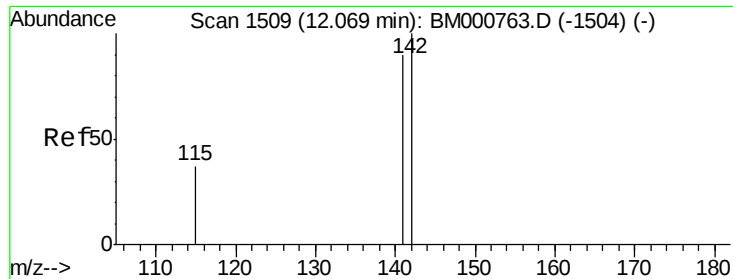
Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Tgt Ion:	128	Resp:	2329
Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.9	13.3#
127	15.0	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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

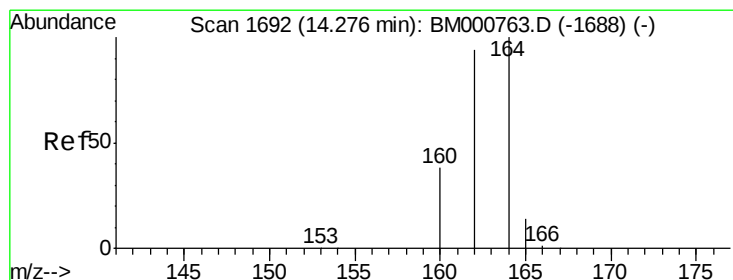
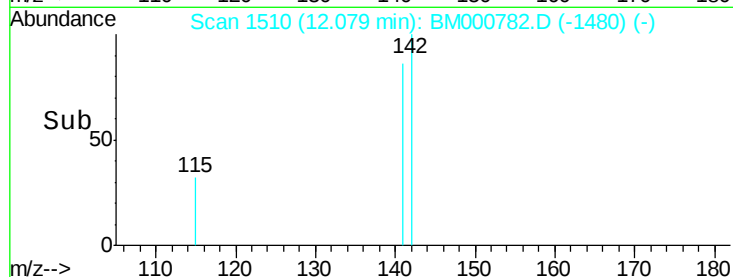
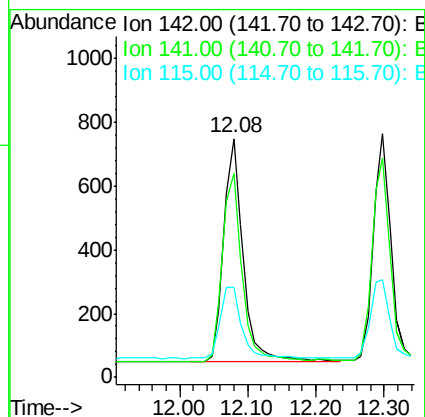
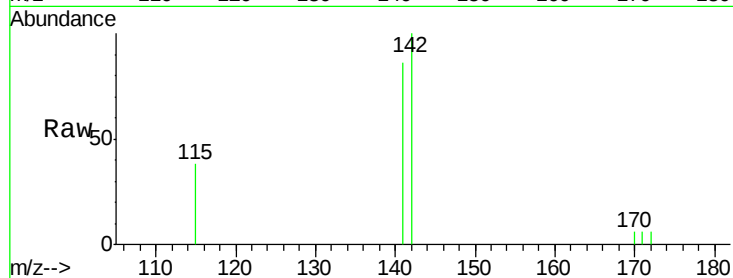
ClientSampleId :

MDL-02-W

Tgt Ion:	142	Resp:	1372
Ion Ratio	Lower	Upper	
142	100		
141	85.6	72.3	108.5
115	37.7	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

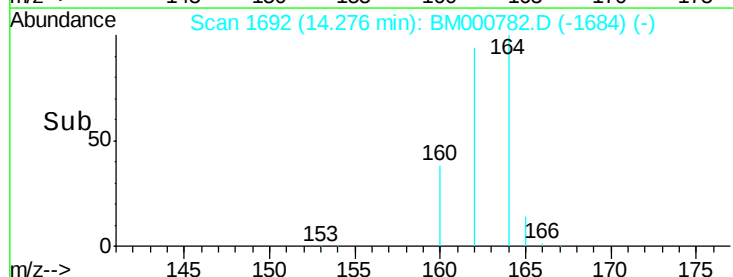
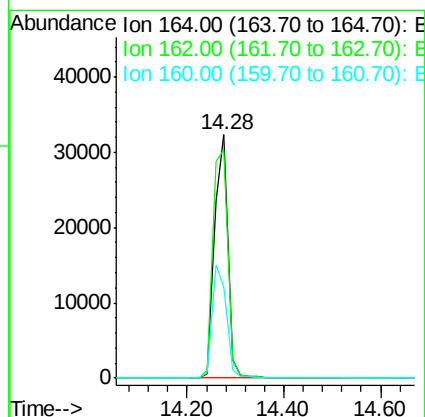
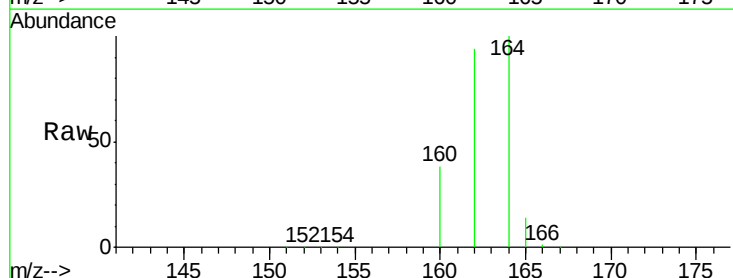
RT: 14.28 min Scan# 1692

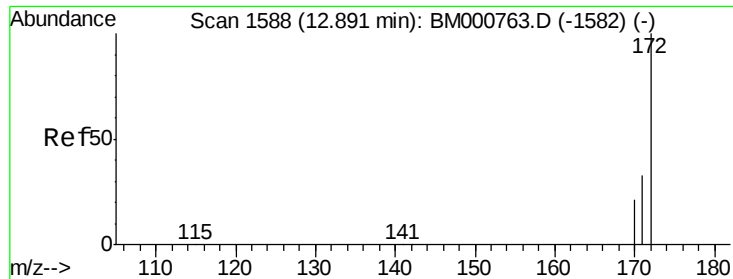
Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Tgt Ion:	164	Resp:	61097
Ion Ratio	Lower	Upper	
164	100		
162	93.6	75.4	113.2
160	37.8	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 10.13 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

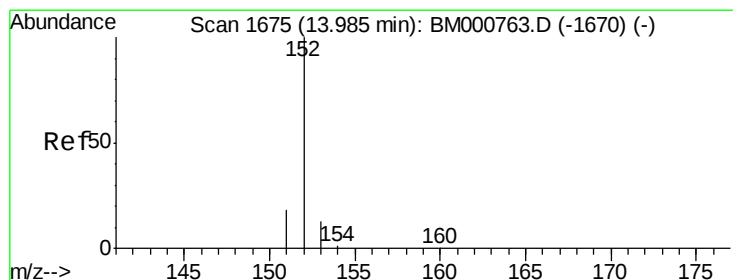
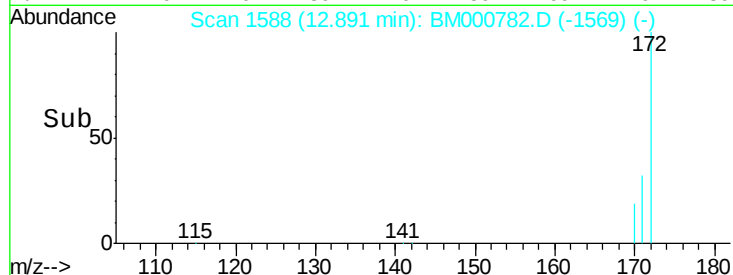
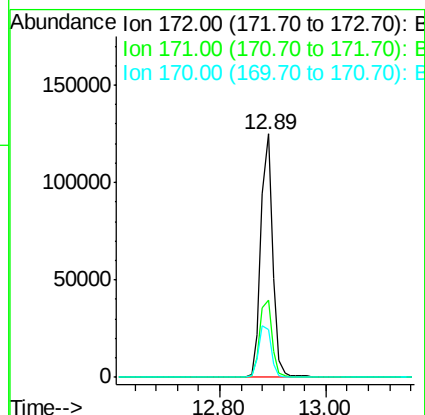
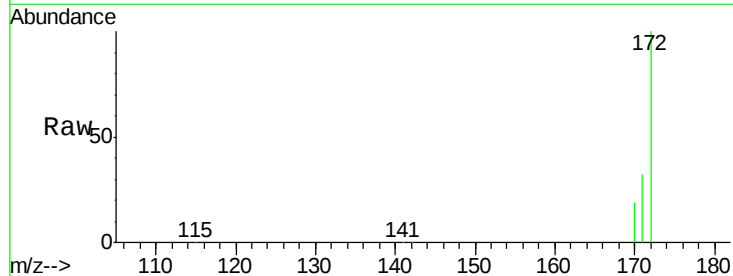
ClientSampleId :

MDL-02-W

Tgt Ion:	172	Resp:	192024
Ion Ratio	Lower	Upper	
172	100		
171	31.6	26.6	39.8
170	19.4	17.1	25.7

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#10

Acenaphthylene

Concen: 0.07 ng

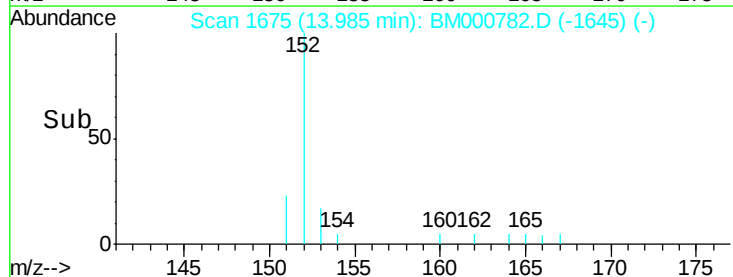
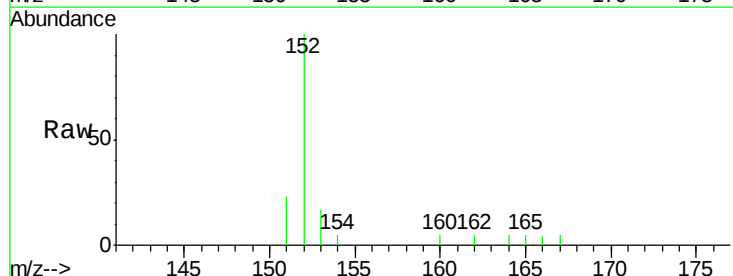
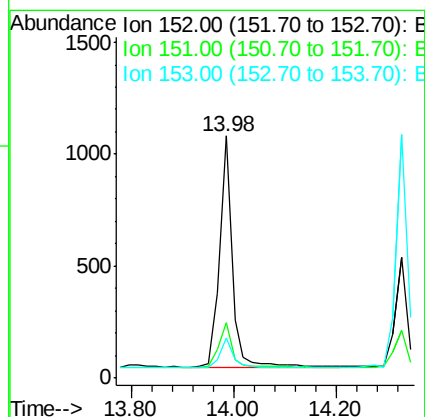
RT: 13.98 min Scan# 1675

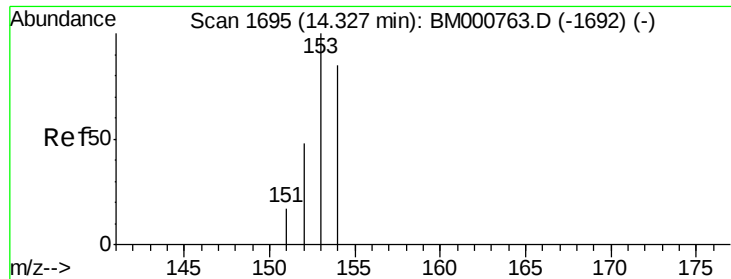
Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Tgt Ion:	152	Resp:	1785
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.1	22.7
153	12.4	10.2	15.4





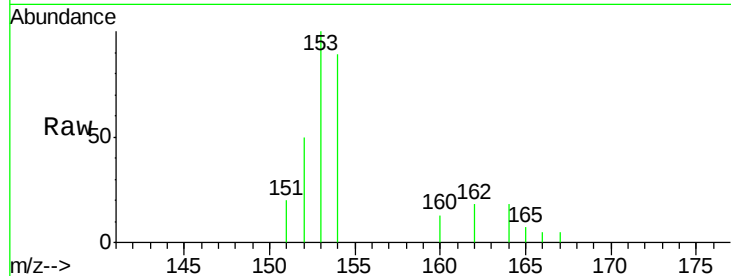
#11
Acenaphthene
Concen: 0.08 ng
RT: 14.33 min Scan# 1695
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	87.3	130.9
152	53.5	43.0	64.6

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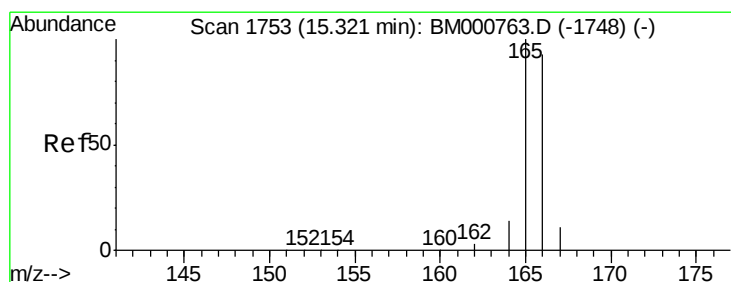
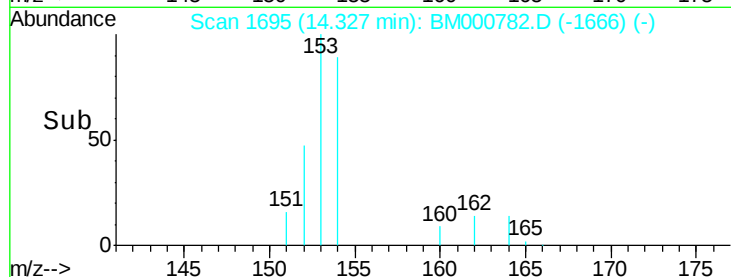
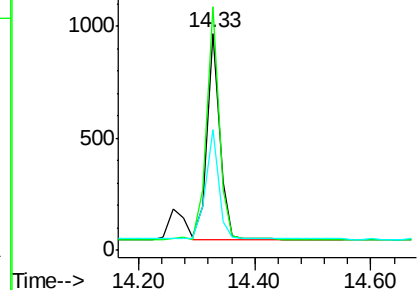


Abundance

Ion 154.00 (153.70 to 154.70): E

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: BM000782.D
Acq: 01 Apr 2015 11:57

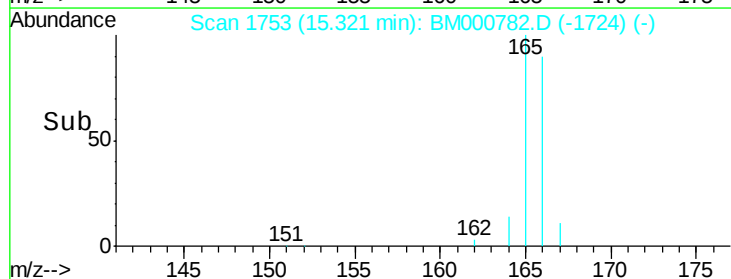
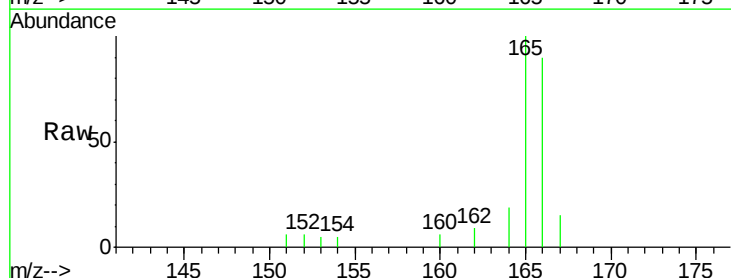
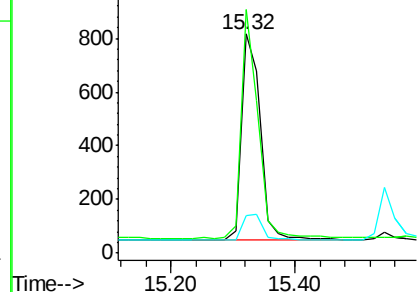
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.2	117.2
167	13.0	10.7	16.1

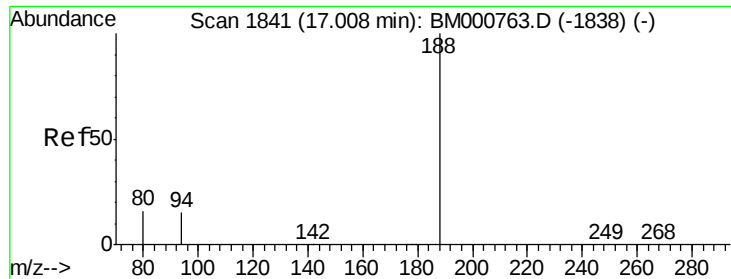
Abundance

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





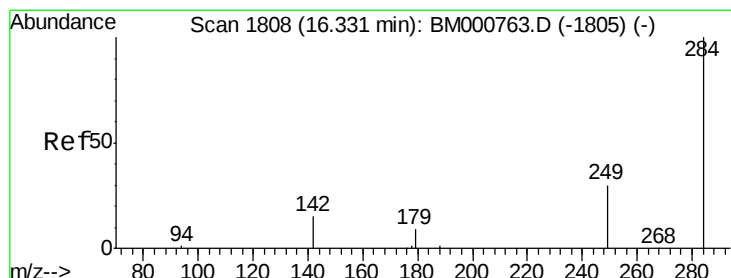
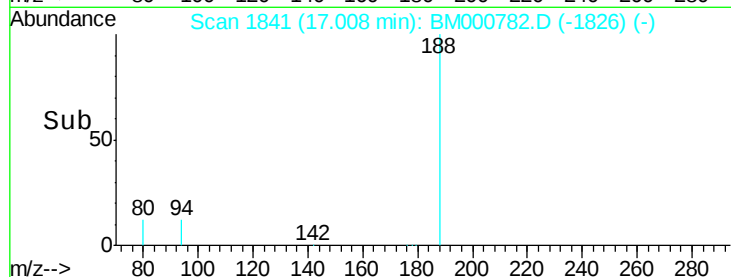
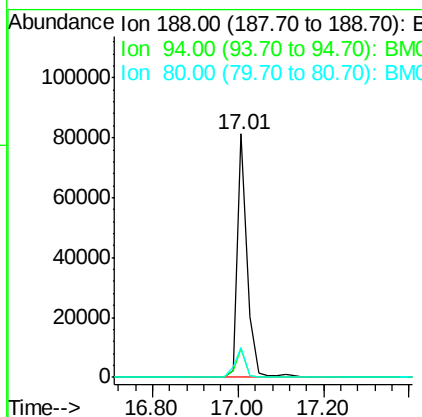
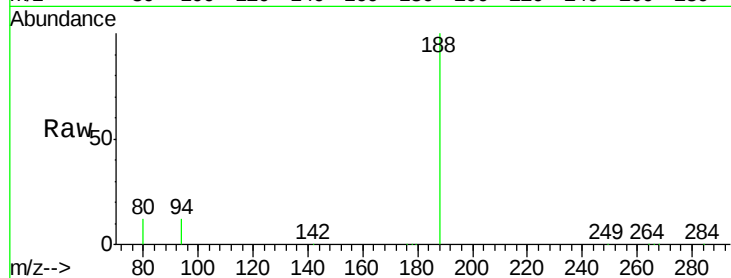
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

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ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	133351		
94	11.8	12.0	18.0#	
80	12.1	12.8	19.2#	

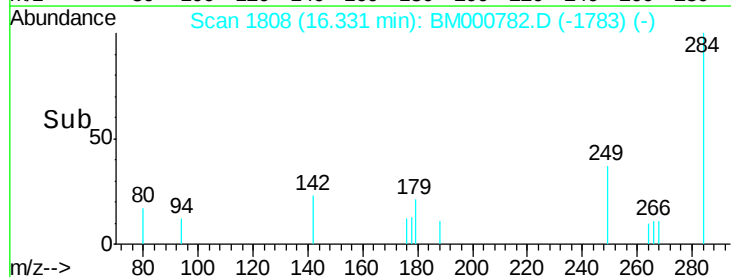
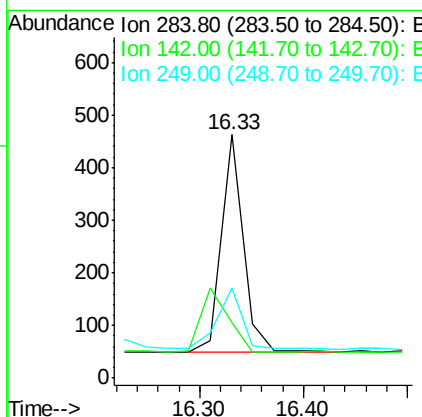
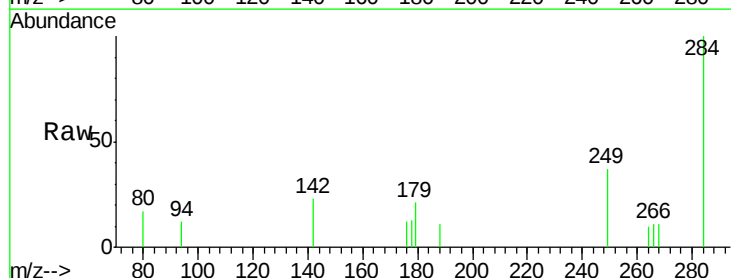
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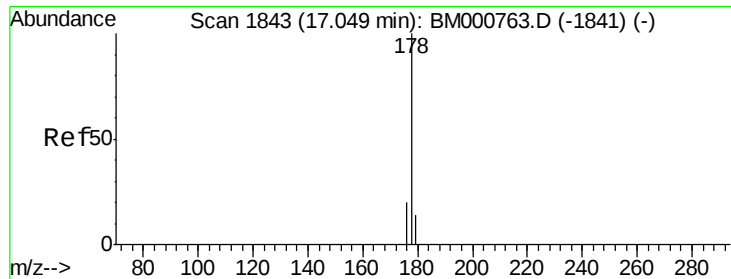
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#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	613		
142	0.0	0.0	0.0	
249	45.0	25.2	37.8#	





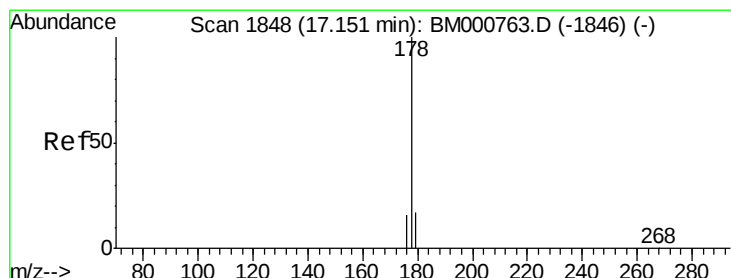
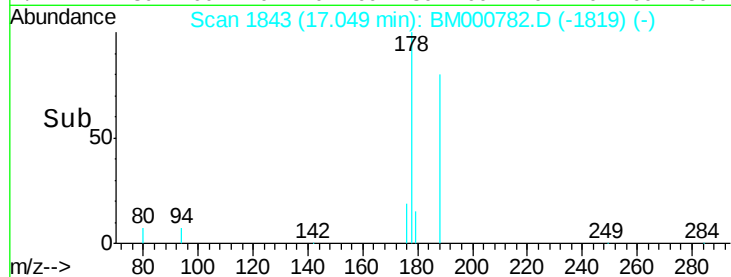
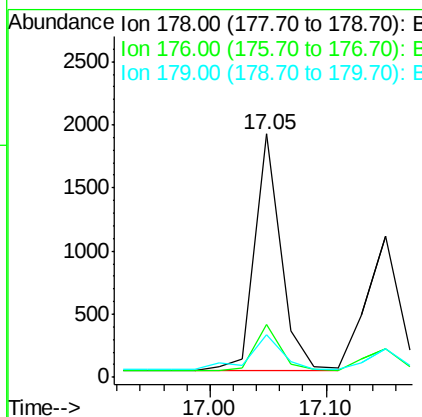
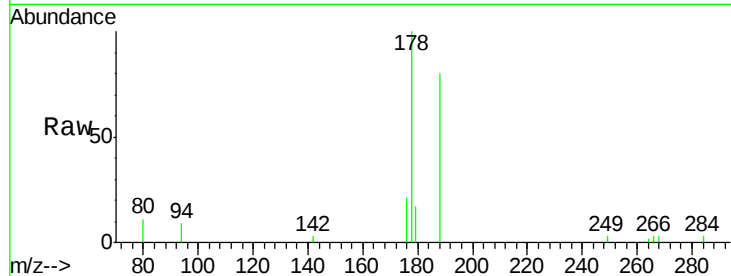
#16
Phenanthrene
Concen: 0.08 ng m
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.7	15.3	22.9#
179	11.3	12.2	18.2#

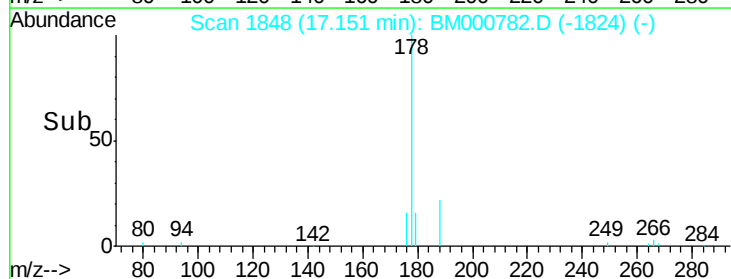
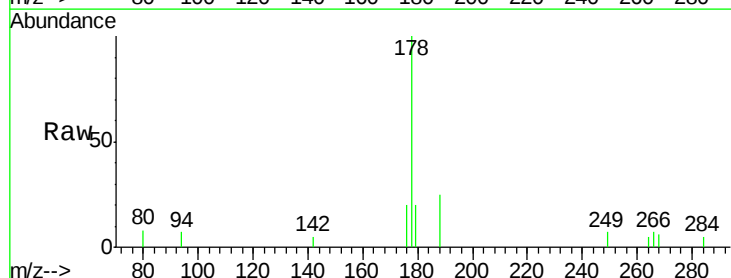
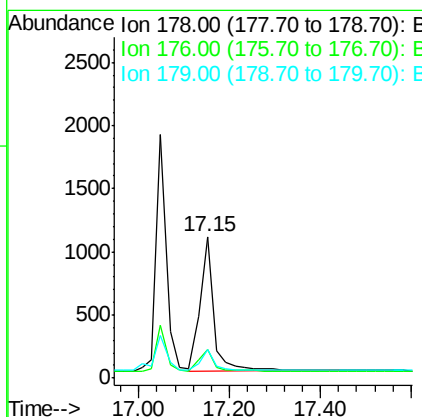
Manual Integrations
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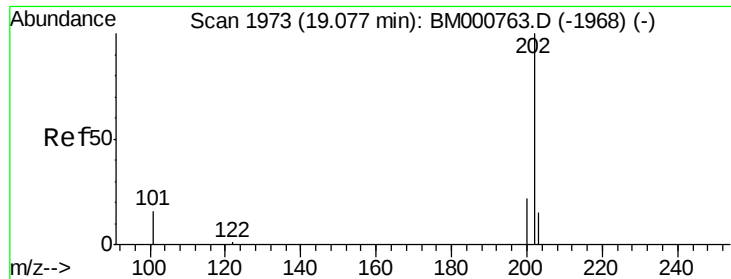
apatel
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#17
Anthracene
Concen: 0.07 ng
RT: 17.15 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.6	22.0
179	14.4	12.2	18.4





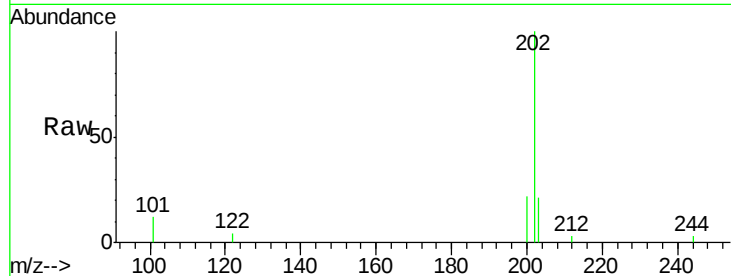
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000782.D
 Acq: 01 Apr 2015 11:57

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

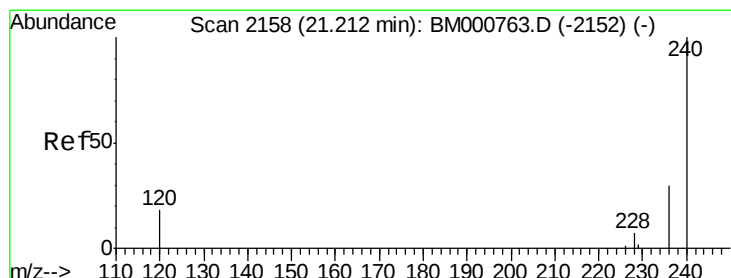
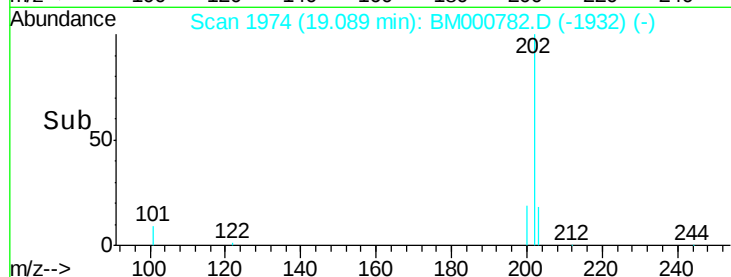
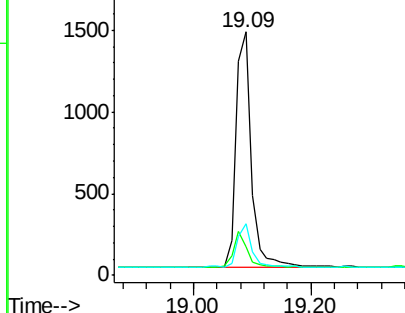
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2674		
101	13.4		10.5	15.7
203	17.9		13.8	20.8

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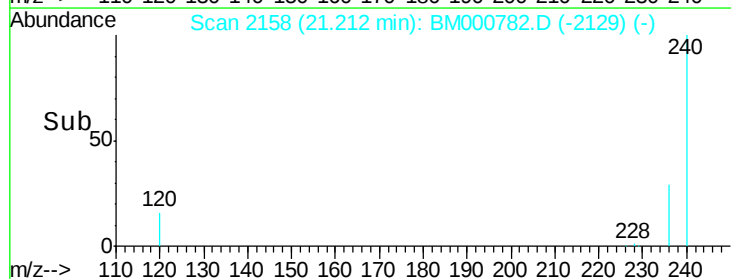
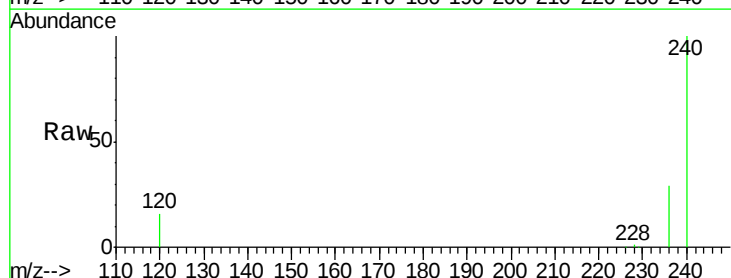
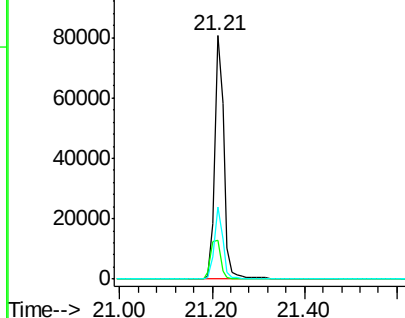
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

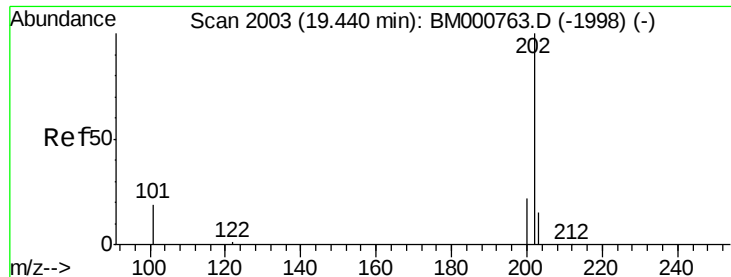


#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000782.D
 Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	111031		
120	15.9		14.9	22.3
236	29.4		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





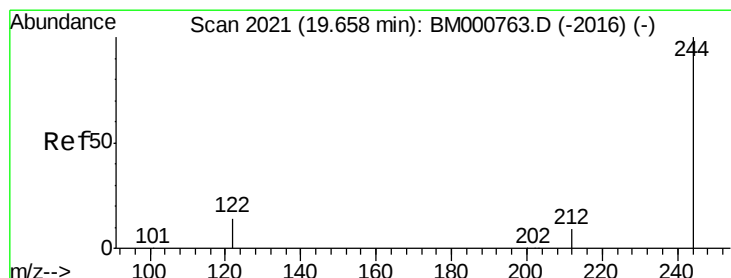
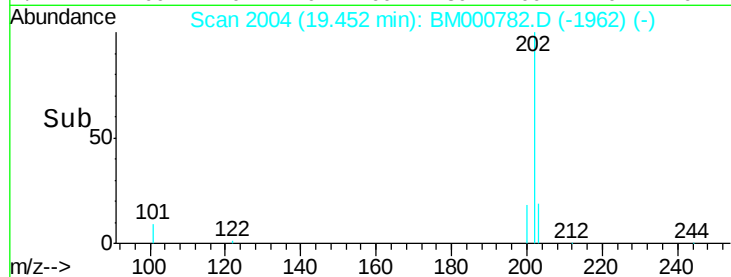
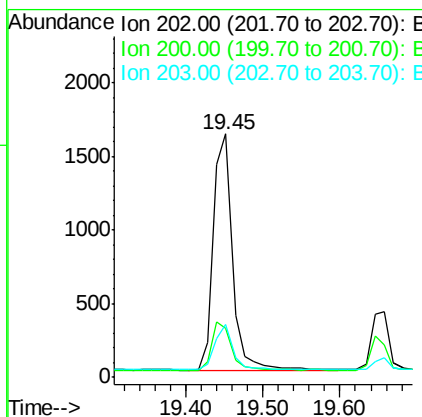
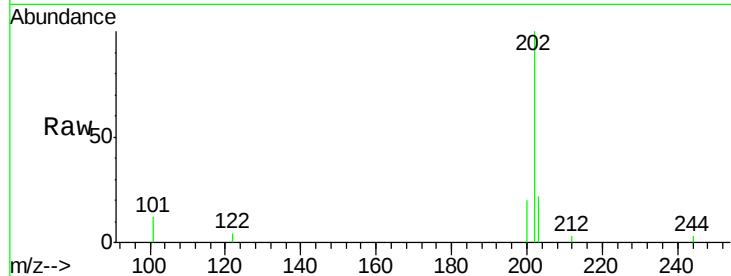
#20
Pyrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2794		
200	20.7	16.2	24.2	
203	18.2	13.9	20.9	

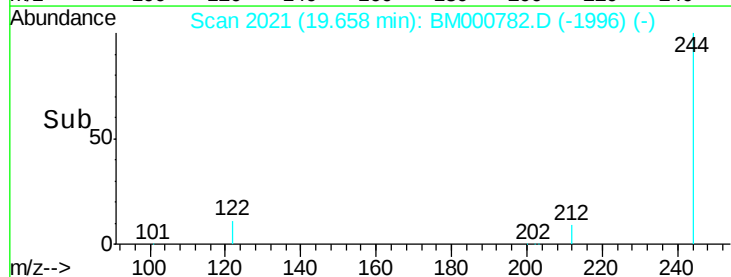
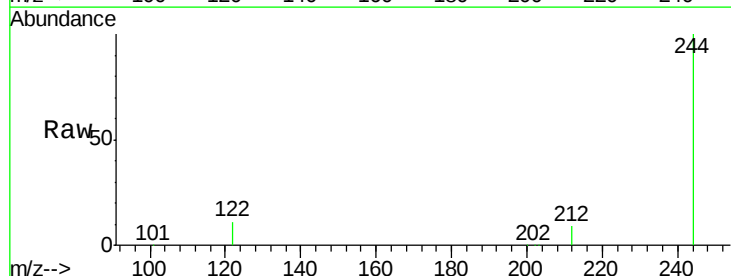
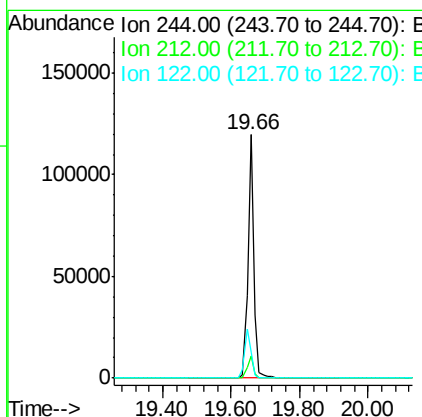
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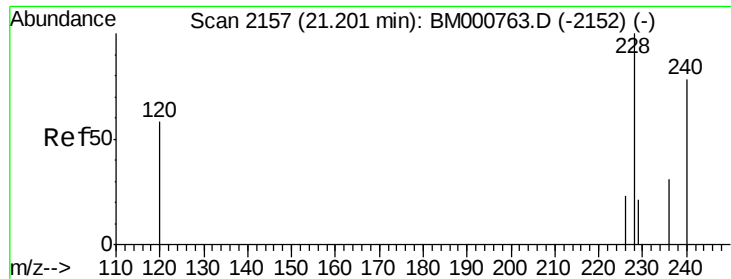
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#21
Terphenyl-d14
Concen: 10.91 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

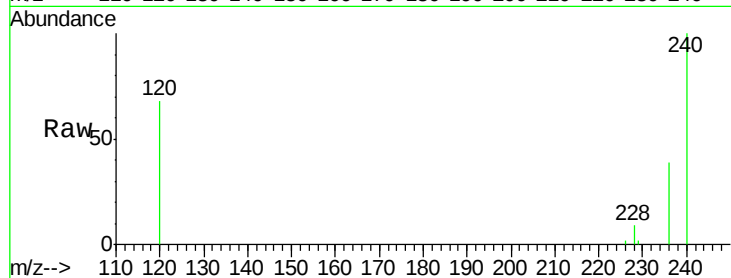
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	145828		
212	8.9	7.8	11.6	
122	10.9	11.8	17.8#	





#22
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.20 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

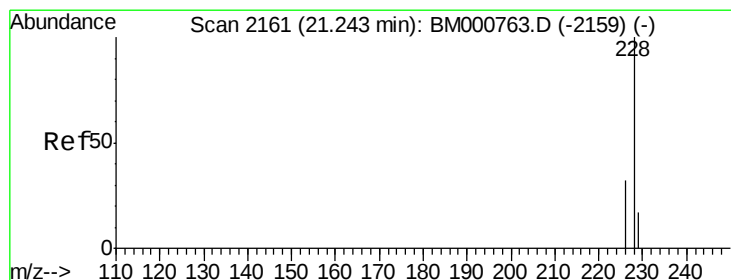
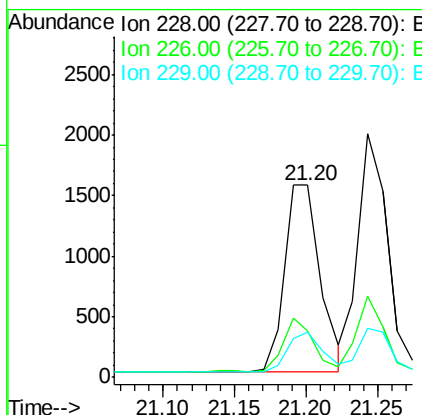
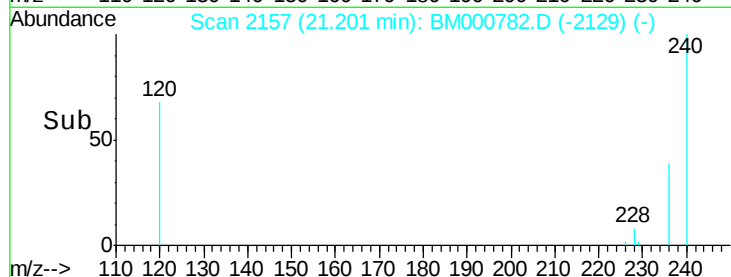
Instrument :
BNA_M
ClientSampleId :
MDL-02-W



Tgt Ion: 228 Resp: 2677
Ion Ratio Lower Upper
228 100
226 24.1 18.6 27.8
229 23.4 17.2 25.8

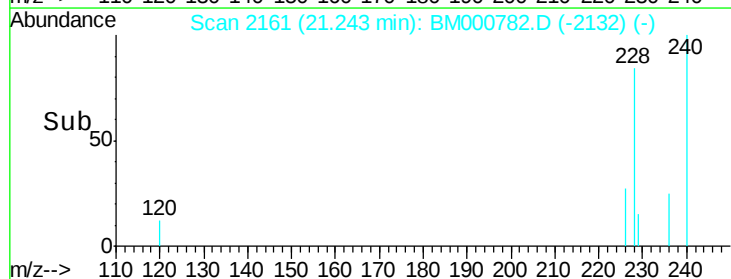
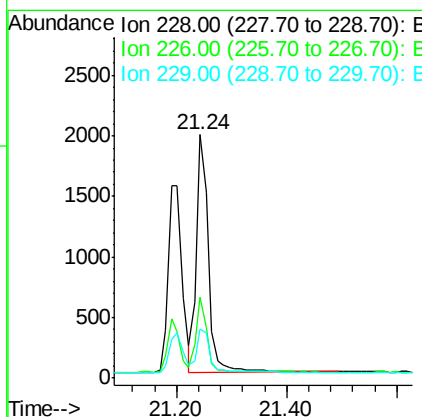
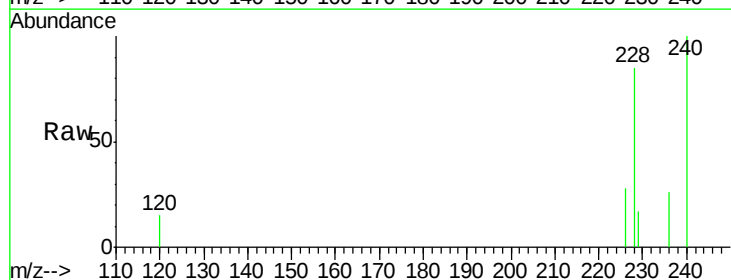
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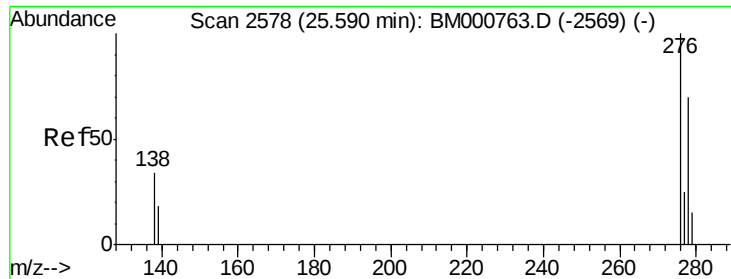
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#23
Chrysene
Concen: 0.09 ng
RT: 21.24 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

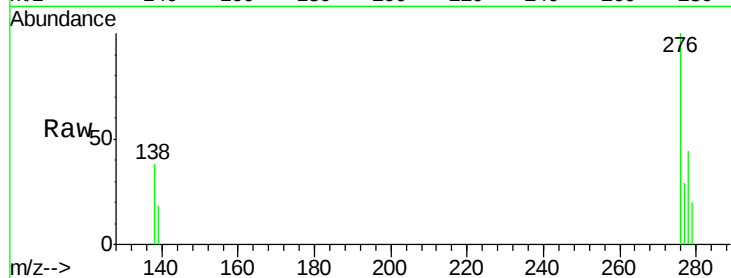
Tgt Ion: 228 Resp: 2957
Ion Ratio Lower Upper
228 100
226 33.2 25.8 38.8
229 20.0 13.8 20.6





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.58 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

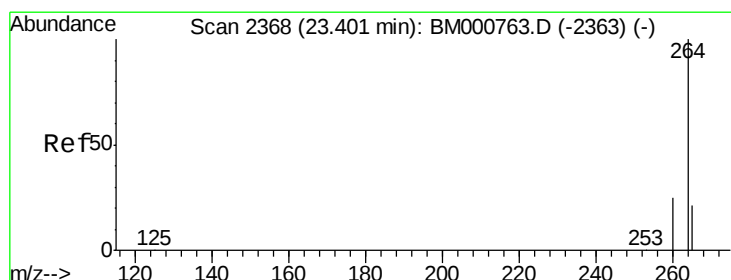
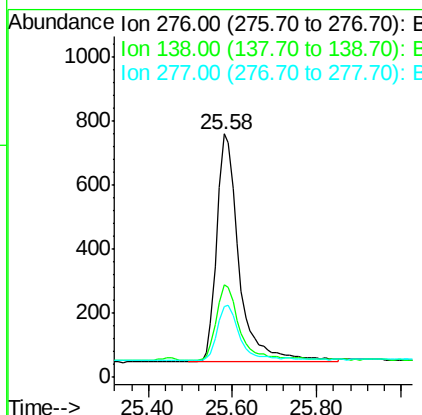
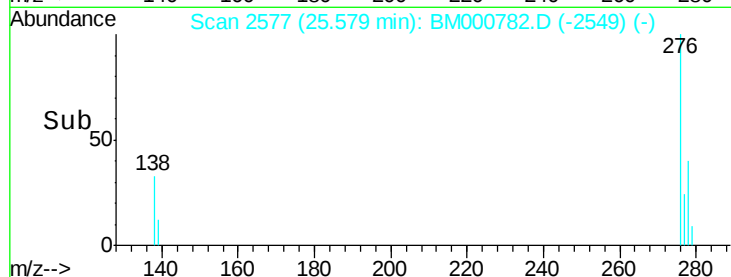
Instrument :
BNA_M
ClientSampleId :
MDL-02-W



Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.0	27.4	41.2
277	24.2	19.7	29.5

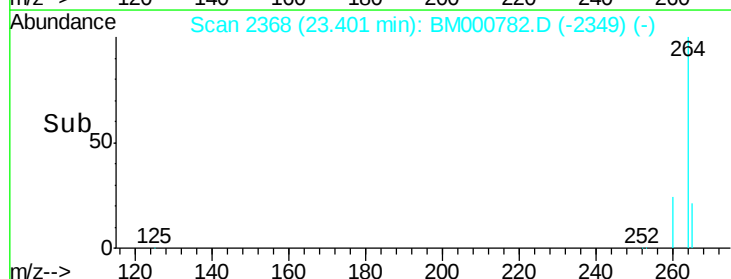
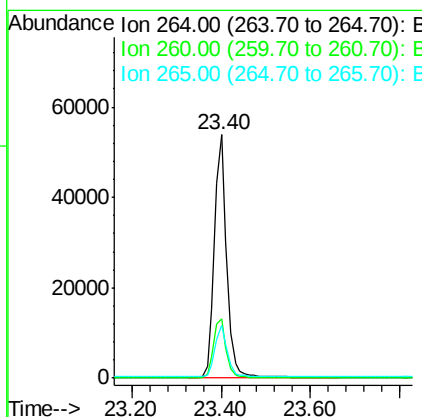
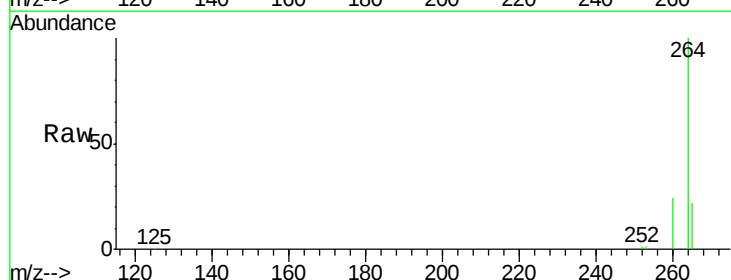
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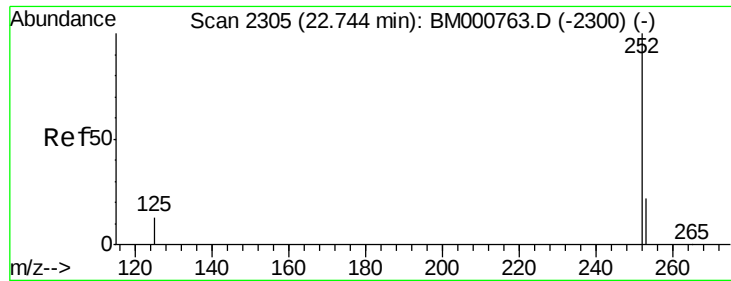
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	21.6	17.4	26.0





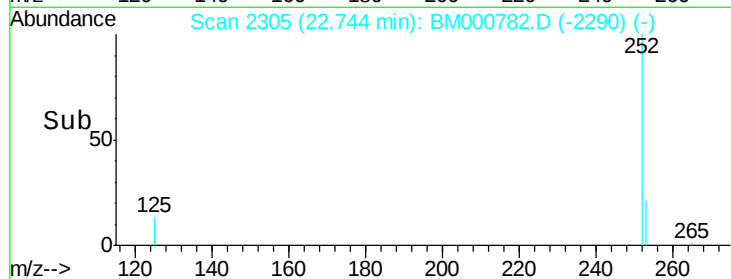
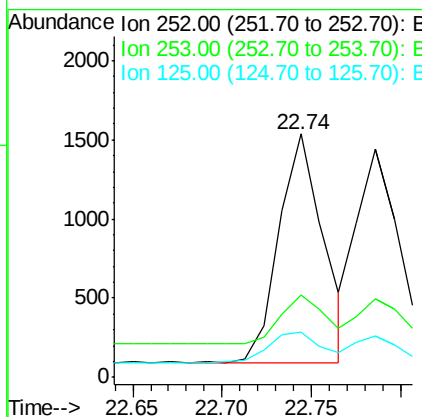
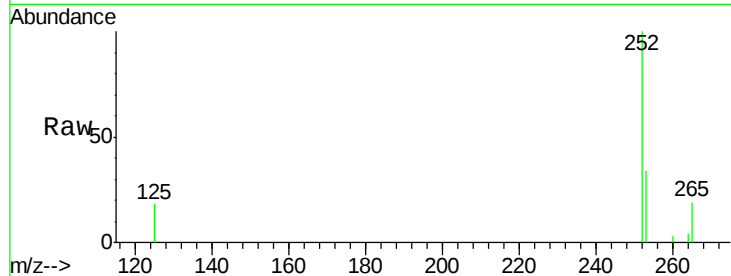
#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.9	18.5	27.7#
125	18.5	10.6	16.0#

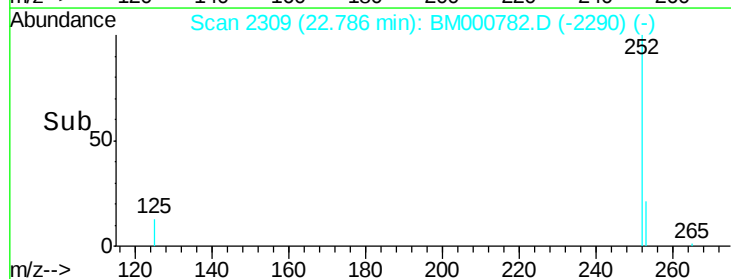
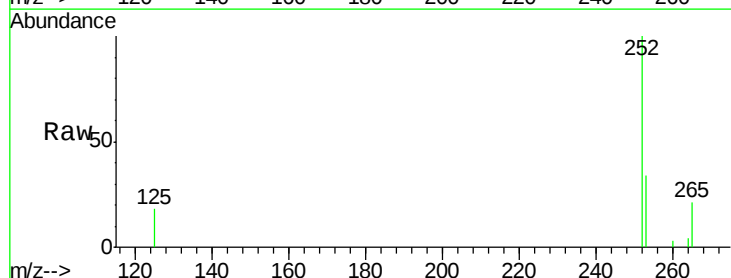
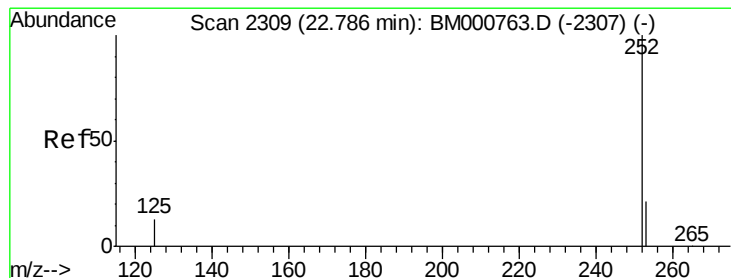
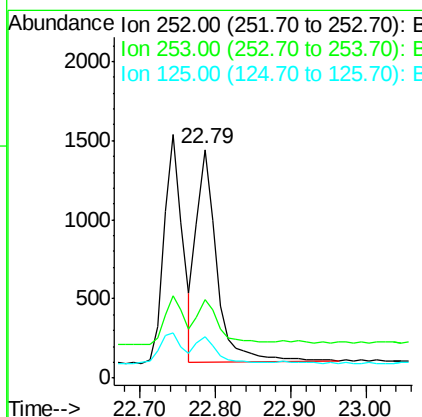
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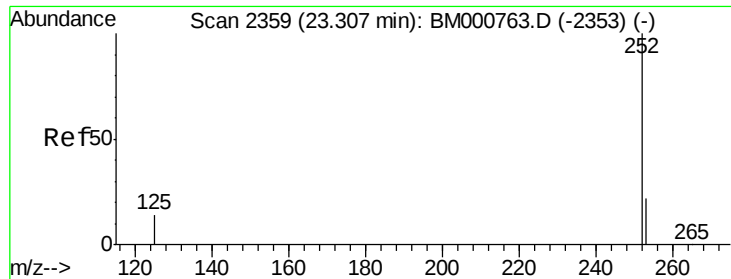
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#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.2	17.9	26.9#
125	18.4	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: BM000782.D

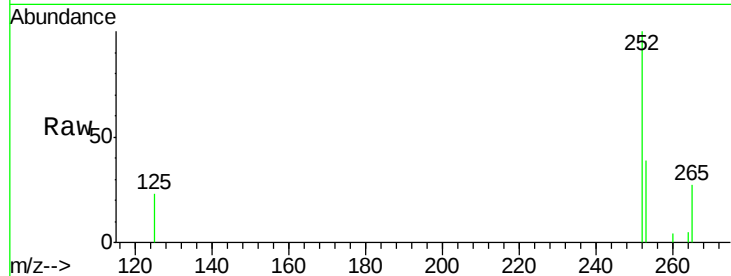
Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampled :

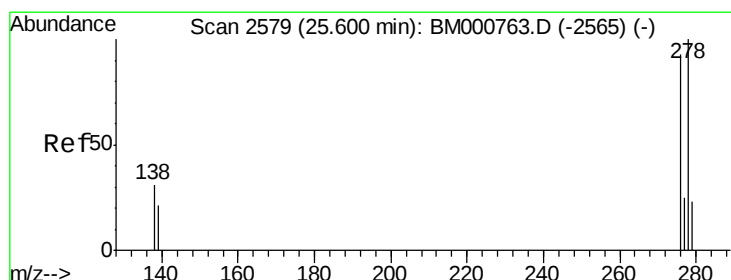
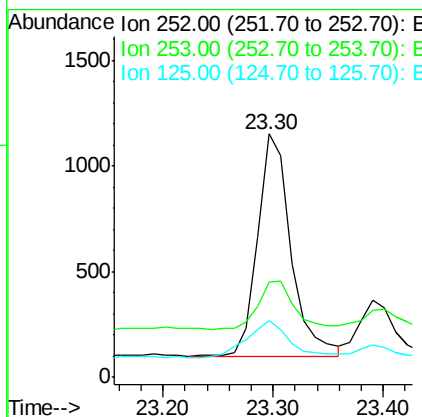
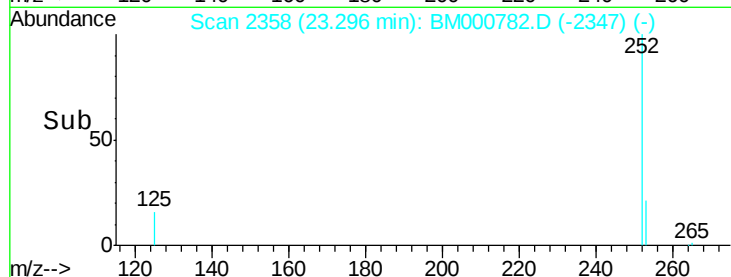
MDL-02-W



Tgt Ion:	252	Resp:	2193
Ion Ratio	Lower	Upper	
252	100		
253	39.2	19.4	29.2#
125	23.2	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

Concen: 0.08 ng

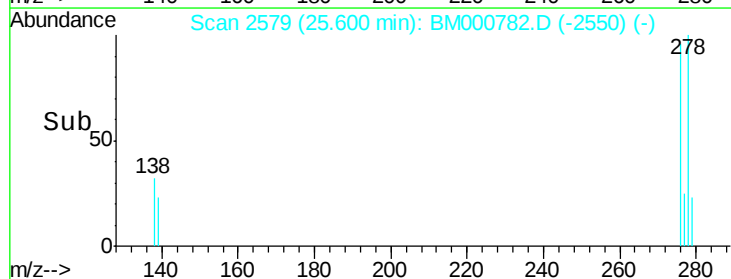
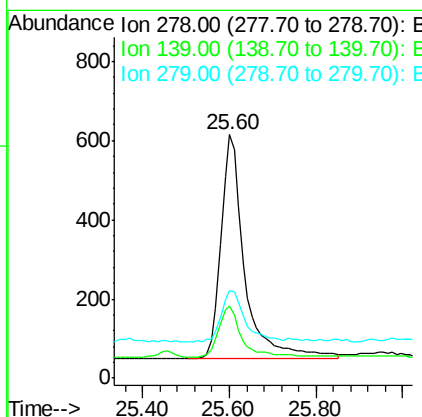
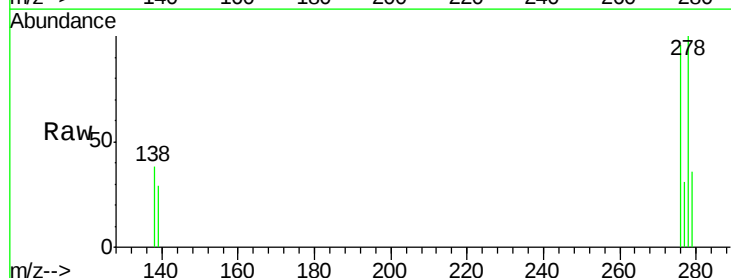
RT: 25.60 min Scan# 2579

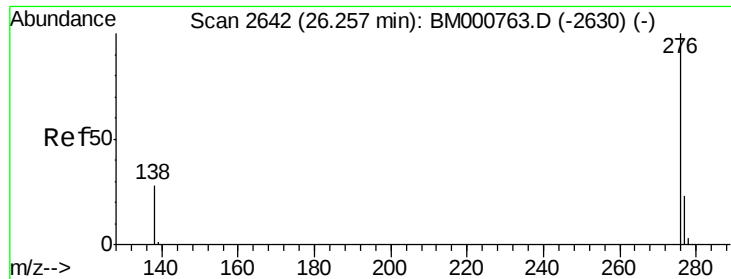
Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Tgt Ion:	278	Resp:	2156
Ion Ratio	Lower	Upper	
278	100		
139	29.4	17.8	26.6#
279	35.8	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: BM000782.D

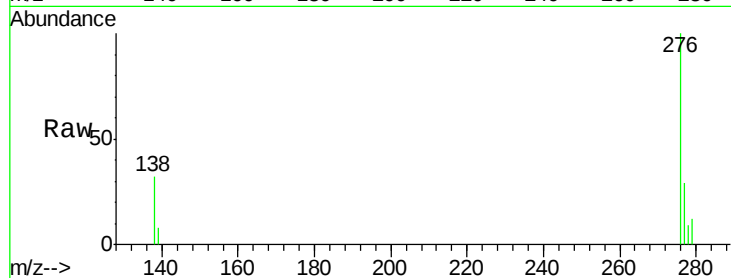
Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

MDL-02-W



Tgt Ion: 276 Resp: 2480

Ion Ratio Lower Upper

276 100

277 29.3 19.1 28.7#

138 32.1 23.1 34.7

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