

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000781.D
 Acq On : 01 Apr 2015 11:22
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Manual Integrations
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Quant Time: Apr 01 15:29:14 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	35908	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	123883	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	59669	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	130495	5.00	ng	0.00
19) Chrysene-d12	21.21	240	107525	5.00	ng	0.00
25) Perylene-d12	23.40	264	100214	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	30224	4.07	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	110645	5.98	ng	0.00
21) Terphenyl-d14	19.66	244	137816	10.65	ng	0.00

Target Compounds						Qvalue
6) Naphthalene	10.45	128	1219	0.04	ng	# 84
7) 2-Methylnaphthalene	12.08	142	753	0.04	ng	# 96
10) Acenaphthylene	13.98	152	1136	0.04	ng	98
11) Acenaphthene	14.33	154	910	0.05	ng	96
12) Fluorene	15.32	166	1158	0.06	ng	98
14) Hexachlorobenzene	16.33	284	489	0.06	ng	# 97
16) Phenanthrene	17.05	178	2455m	0.07	ng	
17) Anthracene	17.15	178	1952	0.07	ng	99
18) Fluoranthene	19.09	202	2472	0.07	ng	99
20) Pyrene	19.45	202	2625	0.07	ng	99
22) Benzo(a)anthracene	21.20	228	2507	0.08	ng	96
23) Chrysene	21.24	228	2878	0.09	ng	97
24) Indeno(1,2,3-cd)pyrene	25.59	276	2581	0.08	ng	98
26) Benzo(b)fluoranthene	22.74	252	2383	0.08	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2490	0.08	ng	# 76
28) Benzo(a)pyrene	23.30	252	2105	0.08	ng	# 71
29) Dibenzo(a,h)anthracene	25.60	278	2046	0.08	ng	# 78
30) Benzo(g,h,i)perylene	26.26	276	2373	0.08	ng	# 91

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

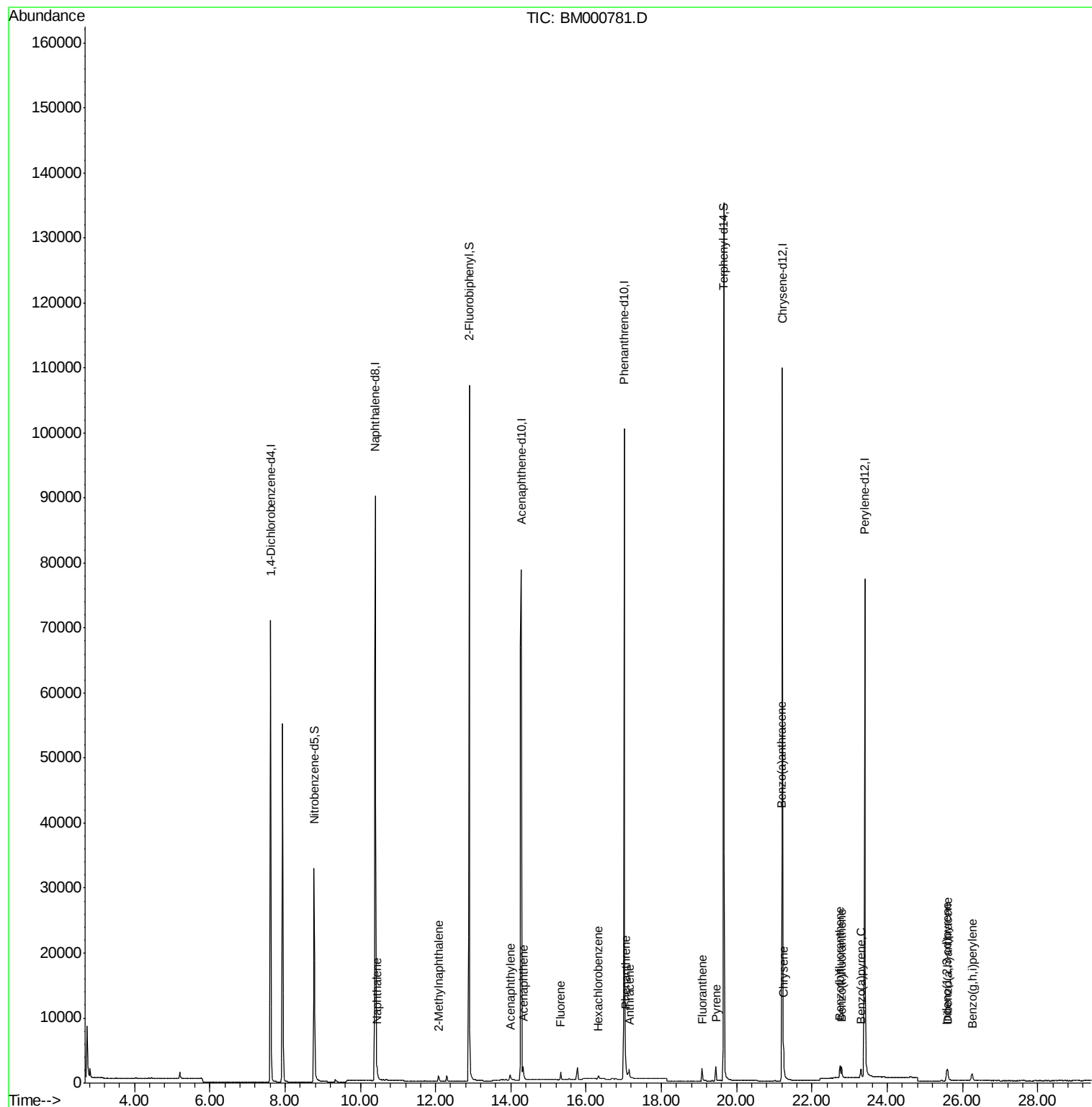
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000781.D
Acq On : 01 Apr 2015 11:22
Operator : TP/IZ
Sample : MDL-01-W
Misc : MDL-WATER-0.1/0.2PPM
ALS Vial : 21 Sample Multiplier: 1

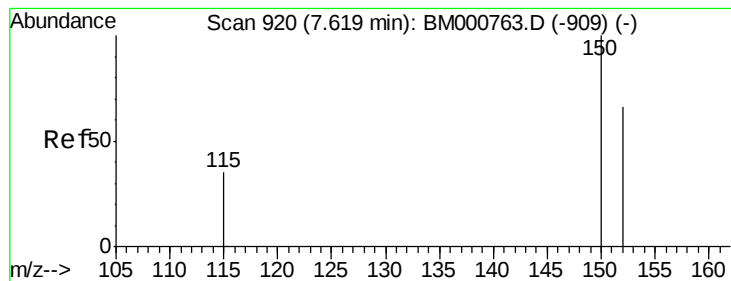
Instrument :
BNA_M
ClientSampleId :
MDL-01-W

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Quant Time: Apr 01 15:29:14 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
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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: BM000781.D

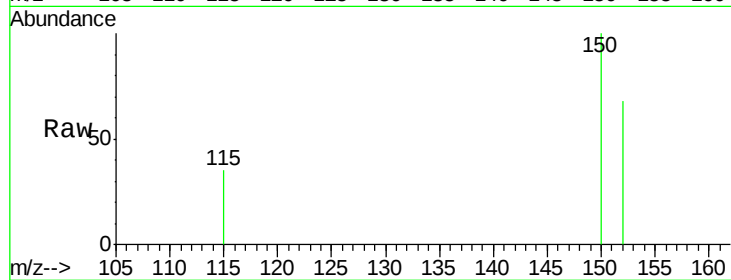
Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

MDL-01-W



Tgt Ion:152 Resp: 35908

Ion Ratio Lower Upper

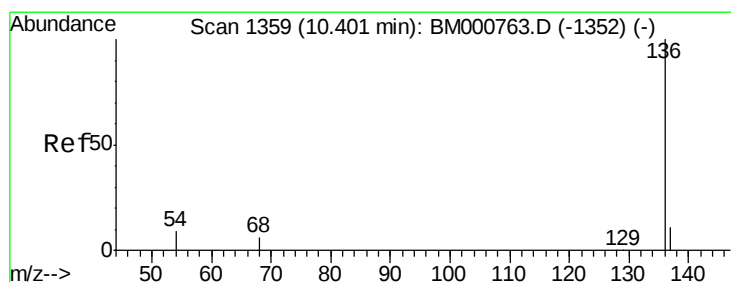
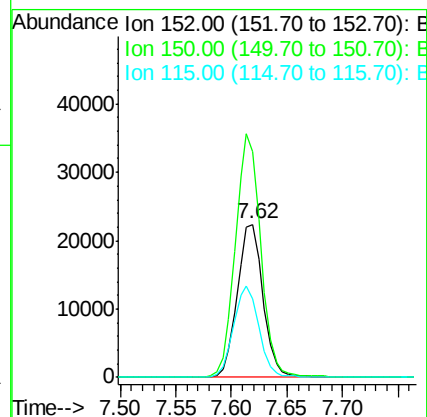
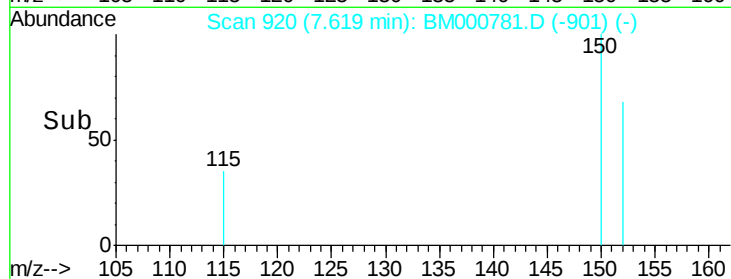
152 100

150 147.3 120.8 181.2

115 51.1 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: BM000781.D

Acq: 01 Apr 2015 11:22

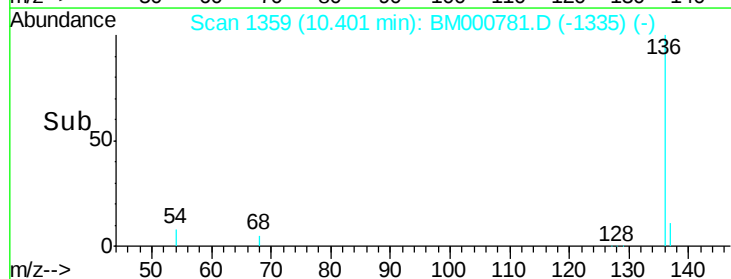
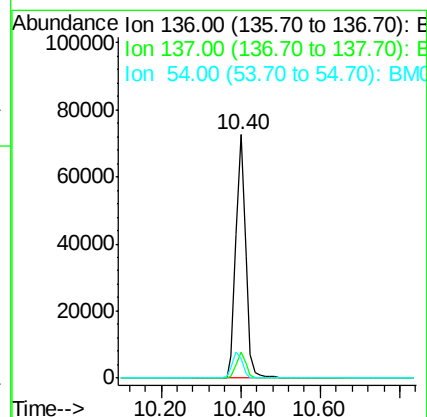
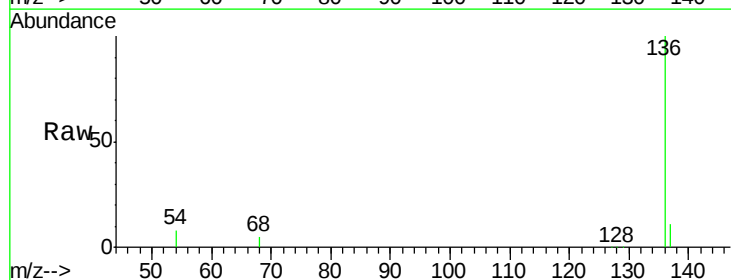
Tgt Ion:136 Resp: 123883

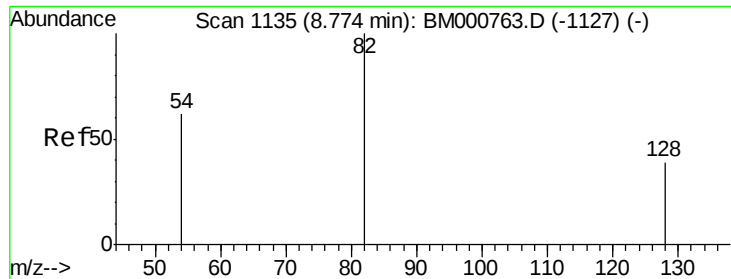
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 8.0 7.0 10.6





#5

Nitrobenzene-d5

Concen: 4.07 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000781.D

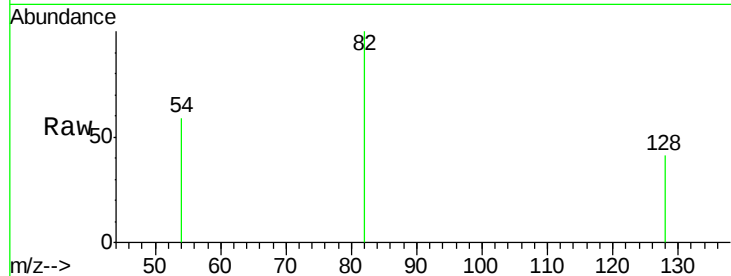
Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

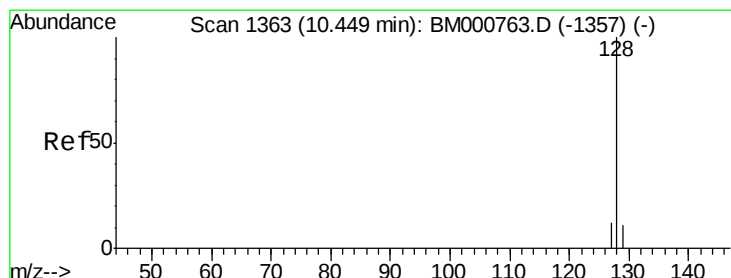
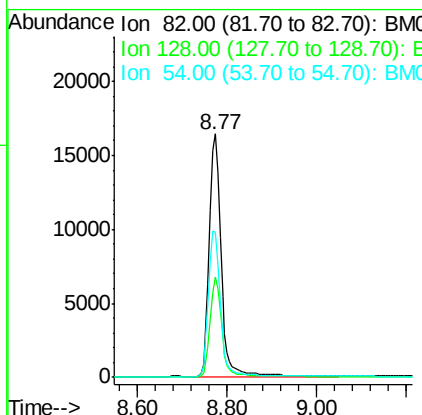
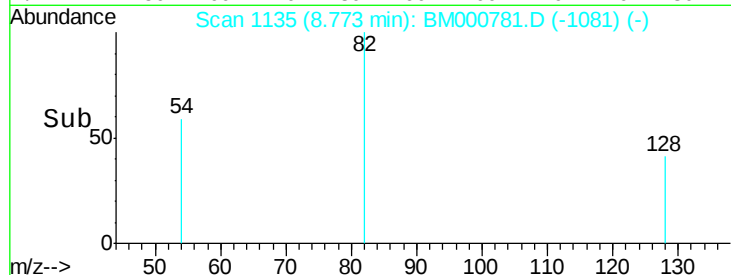
MDL-01-W



Tgt Ion:	82	Resp:	30224
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.2	48.2
54	59.5	50.2	75.4

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#6

Naphthalene

Concen: 0.04 ng

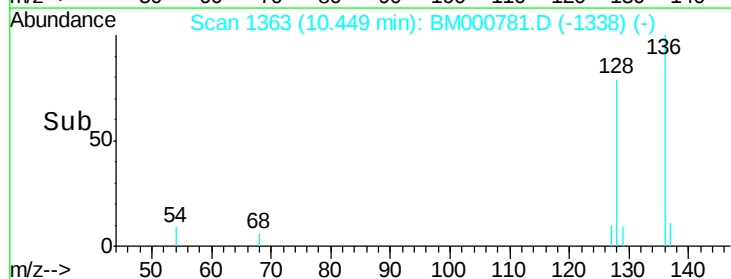
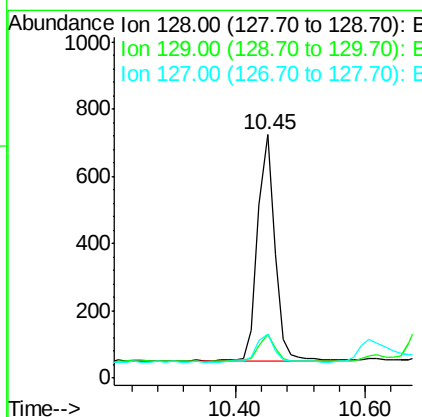
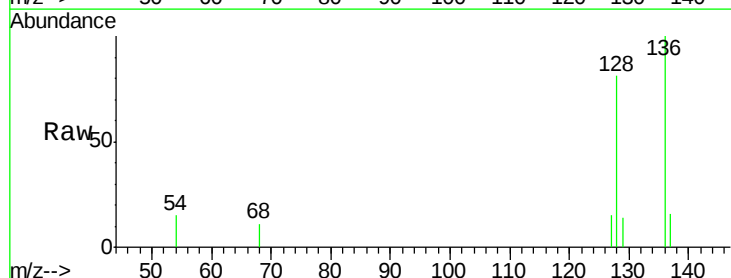
RT: 10.45 min Scan# 1363

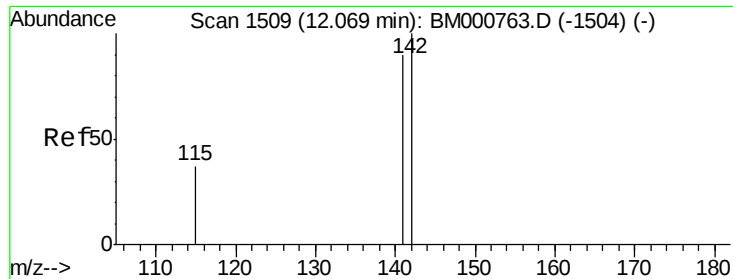
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	128	Resp:	1219
Ion Ratio	Lower	Upper	
128	100		
129	17.8	8.9	13.3#
127	18.2	10.0	15.0#





#7

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

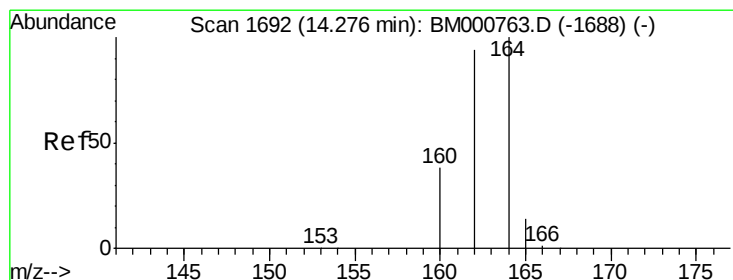
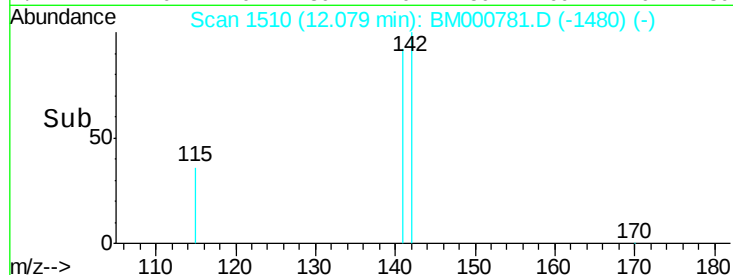
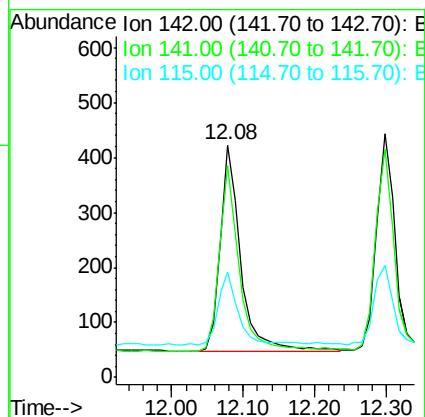
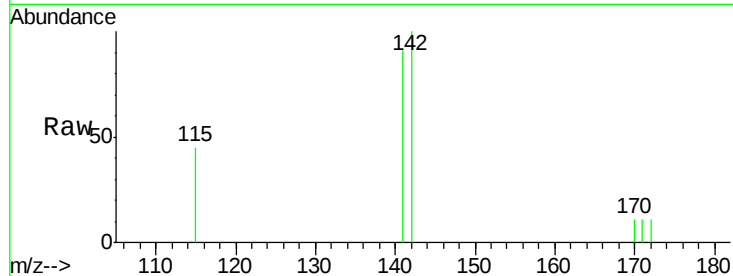
ClientSampleId :

MDL-01-W

Tgt Ion:	142	Resp:	753
Ion Ratio	Lower	Upper	
142	100		
141	90.8	72.3	108.5
115	45.2	29.5	44.3#

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#8

Acenaphthene-d10

Concen: 5.00 ng

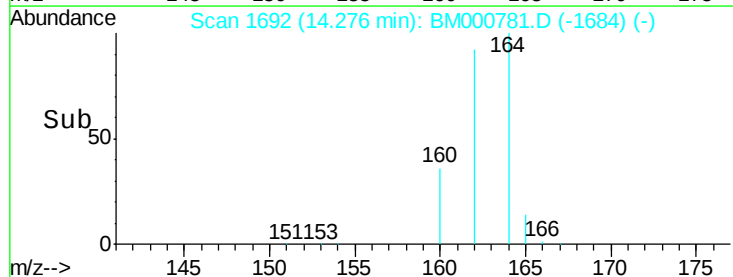
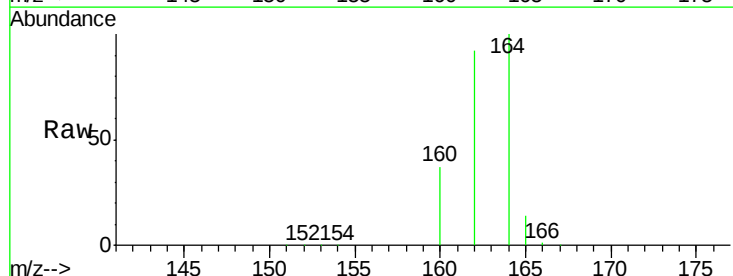
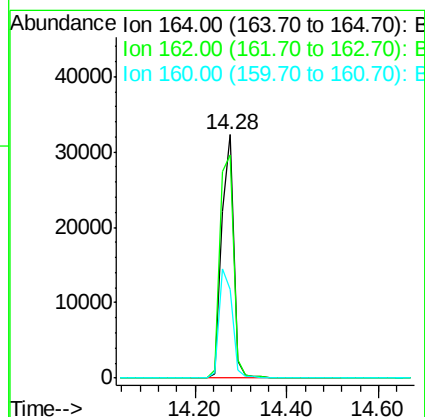
RT: 14.28 min Scan# 1692

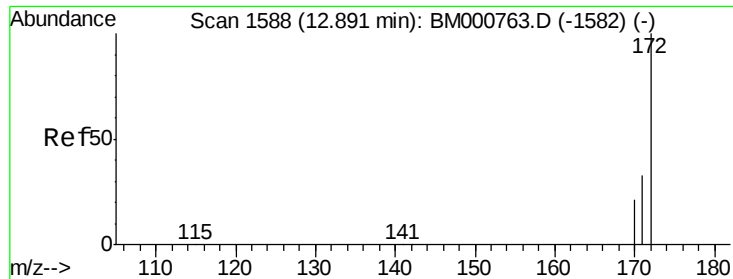
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	164	Resp:	59669
Ion Ratio	Lower	Upper	
164	100		
162	91.8	75.4	113.2
160	36.5	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 5.98 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

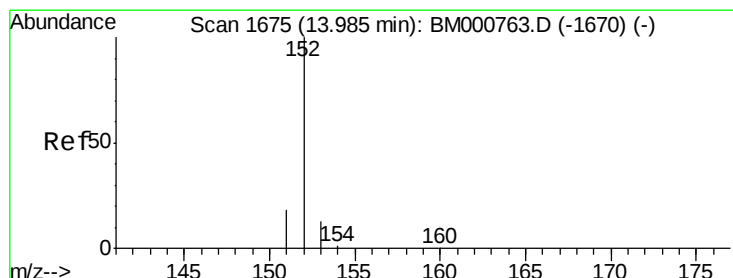
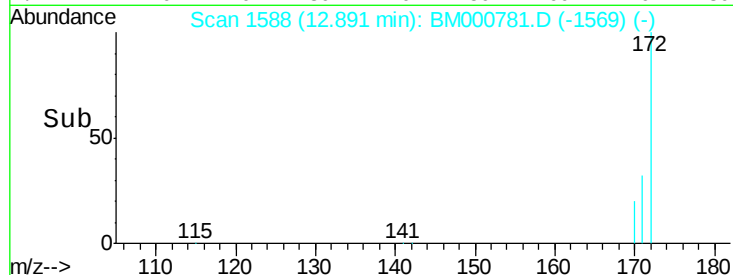
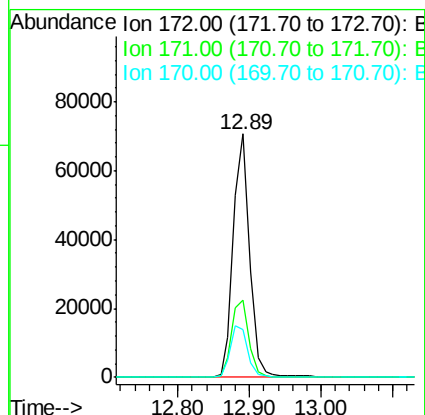
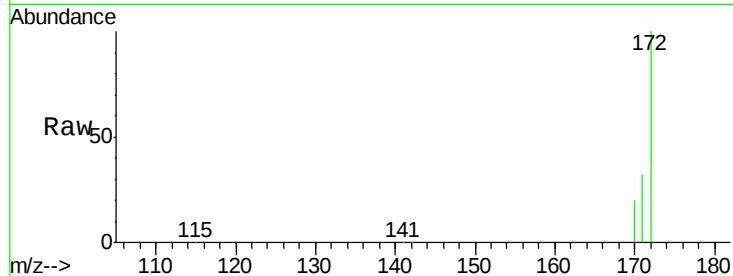
ClientSampleId :

MDL-01-W

Tgt Ion:	172	Resp:	110645
Ion Ratio	Lower	Upper	
172	100		
171	31.7	26.6	39.8
170	19.6	17.1	25.7

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#10

Acenaphthylene

Concen: 0.04 ng

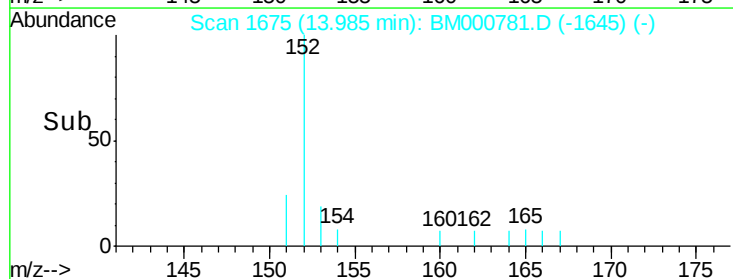
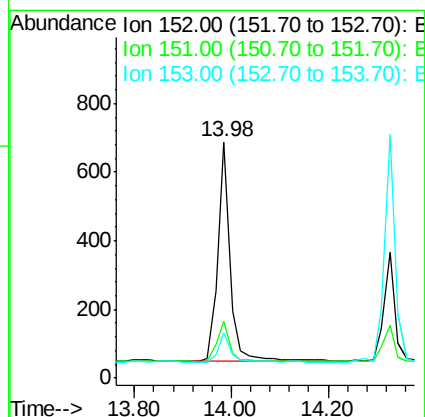
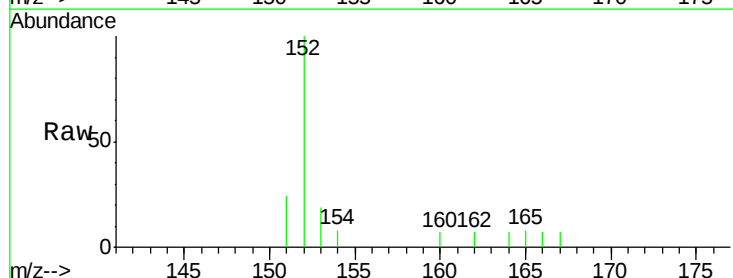
RT: 13.98 min Scan# 1675

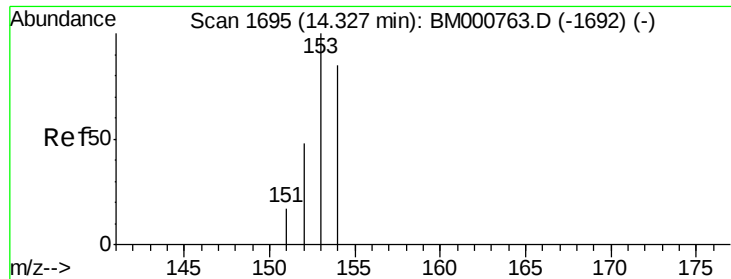
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	152	Resp:	1136
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.1	22.7
153	12.0	10.2	15.4





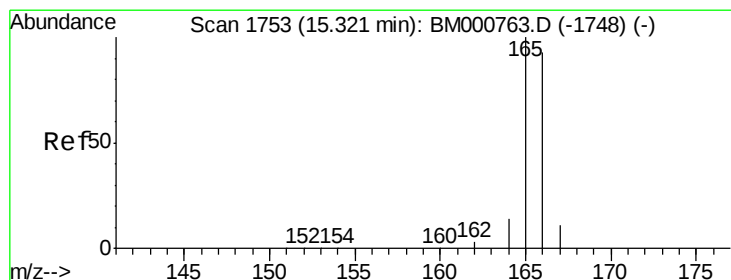
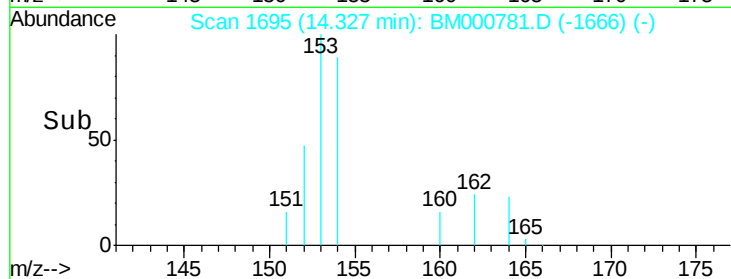
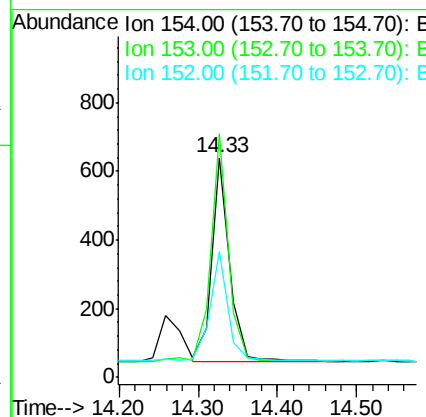
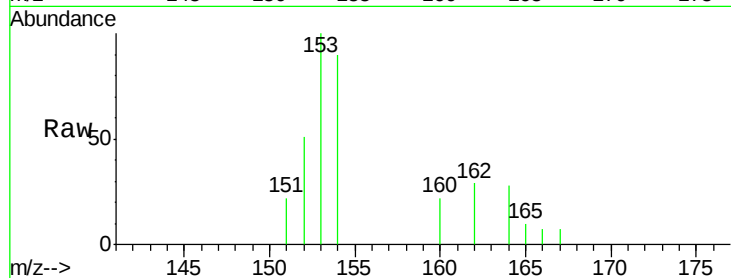
#11
Acenaphthene
Concen: 0.05 ng
RT: 14.33 min Scan# 1695
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.3	130.9
152	57.3	43.0	64.6

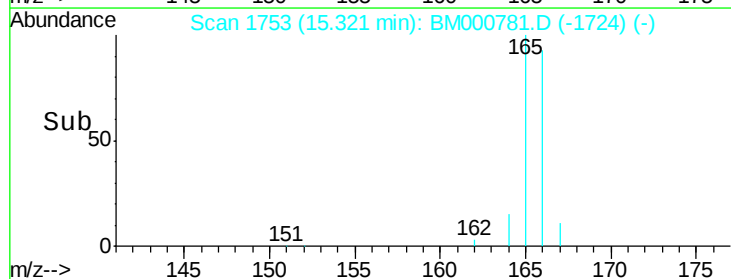
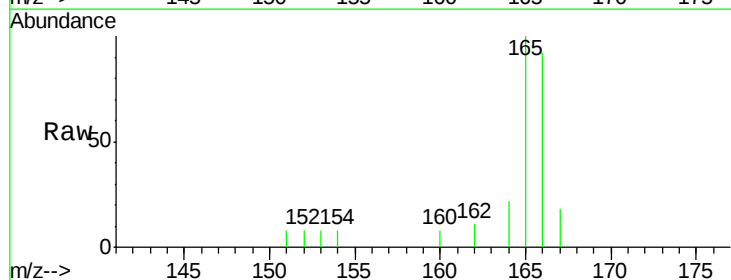
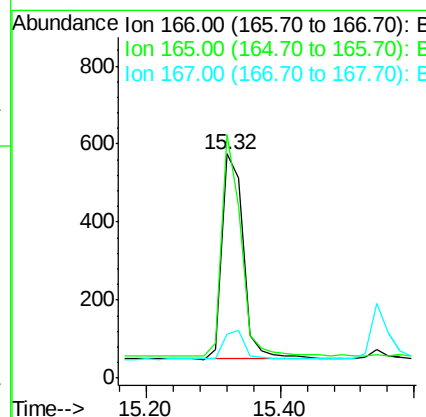
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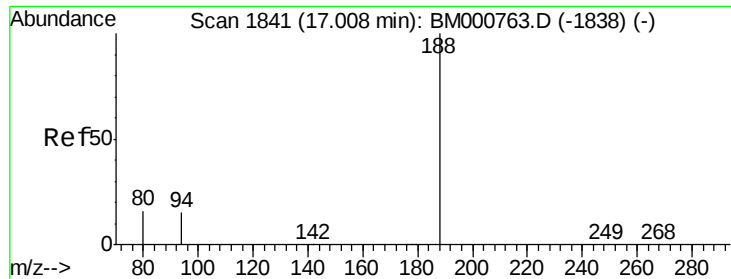
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#12
Fluorene
Concen: 0.06 ng
RT: 15.32 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.2
167	14.9	10.7	16.1





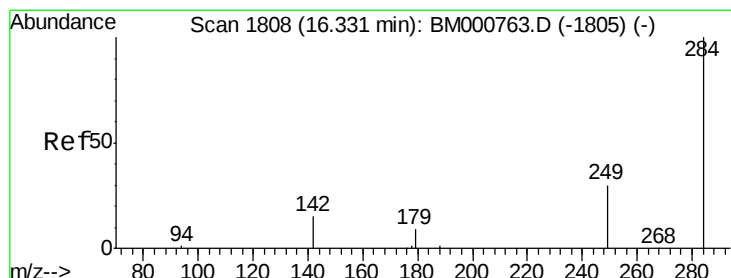
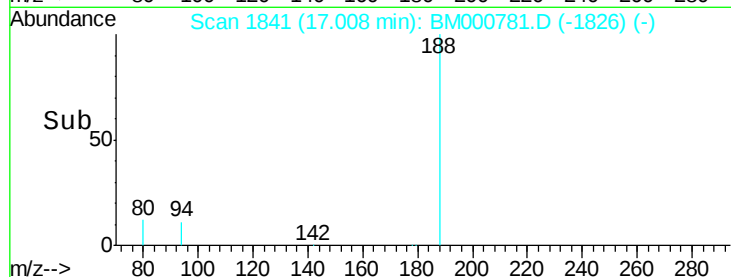
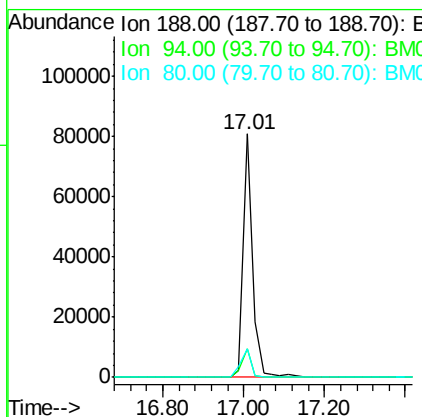
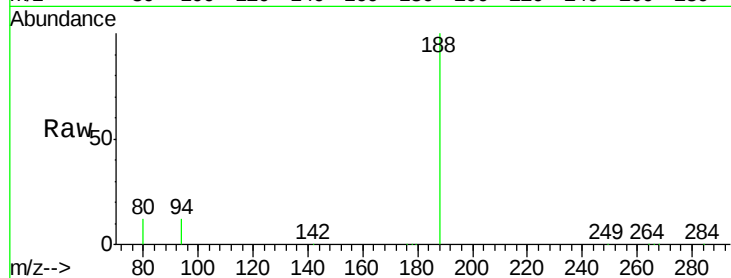
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	130495		
94	11.6	12.0	18.0#	
80	11.9	12.8	19.2#	

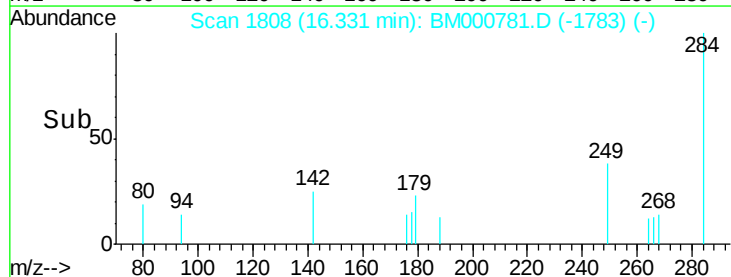
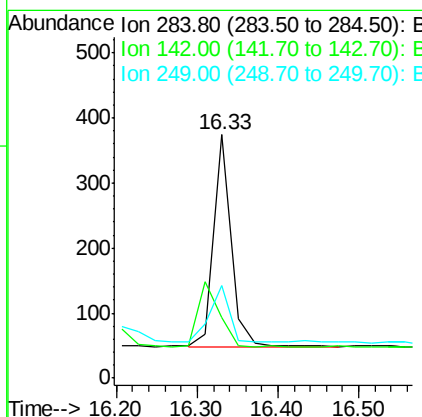
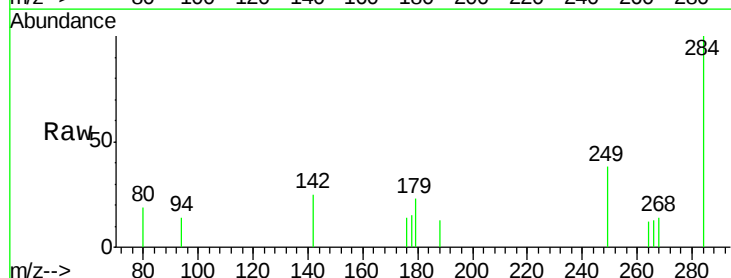
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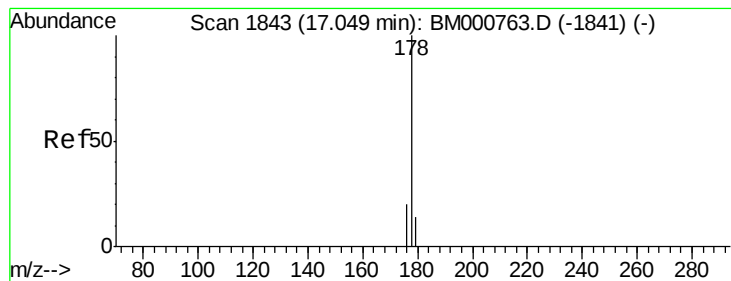
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#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	489		
142	0.0	0.0	0.0	
249	29.9	25.2	37.8	





#16

Phenanthrene

Concen: 0.07 ng m

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

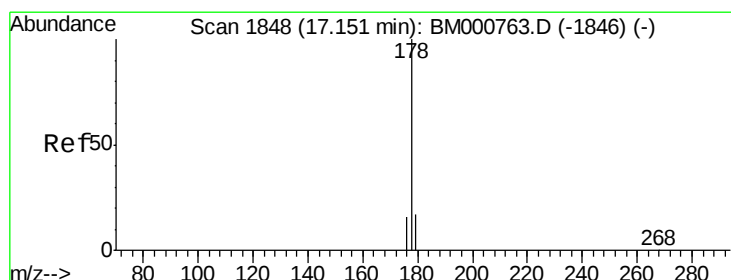
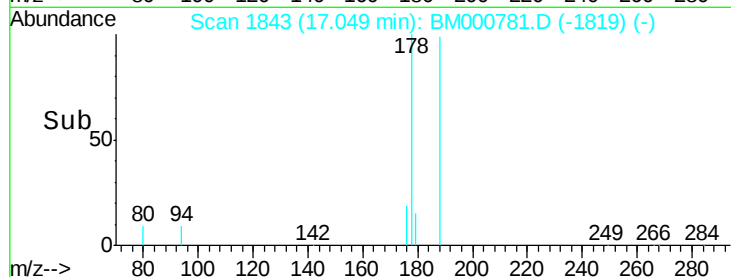
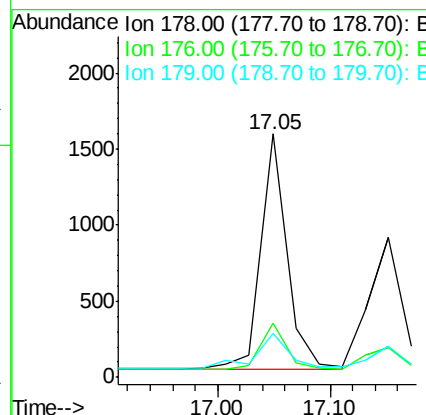
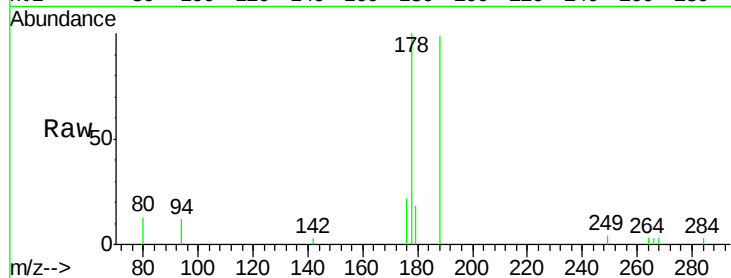
MDL-01-W

Tgt Ion:178 Resp: 2455

Ion	Ratio	Lower	Upper
178	100		
176	14.4	15.3	22.9#
179	12.4	12.2	18.2

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#17

Anthracene

Concen: 0.07 ng

RT: 17.15 min Scan# 1848

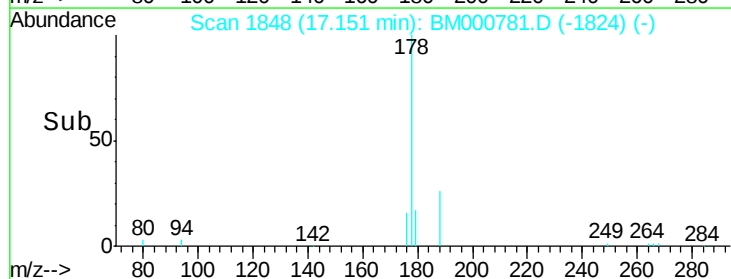
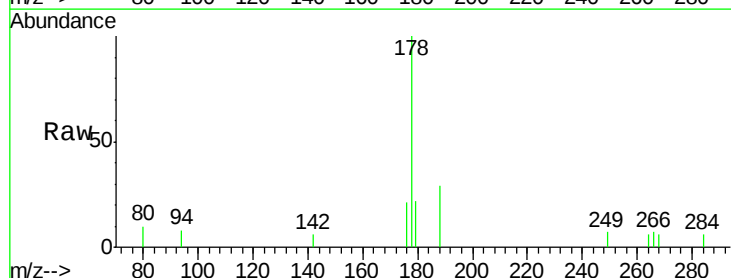
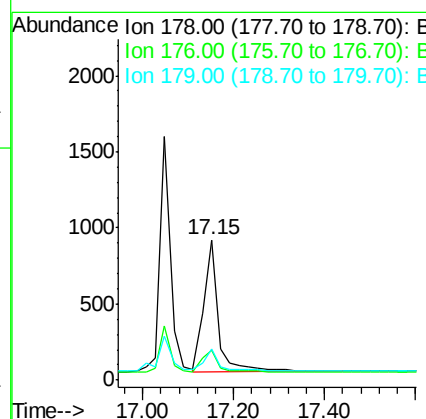
Delta R.T. -0.00 min

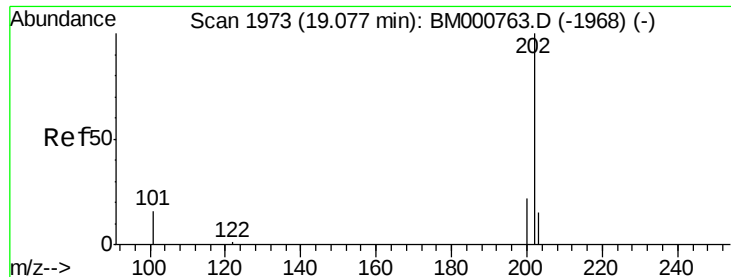
Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:178 Resp: 1952

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.9	12.2	18.4





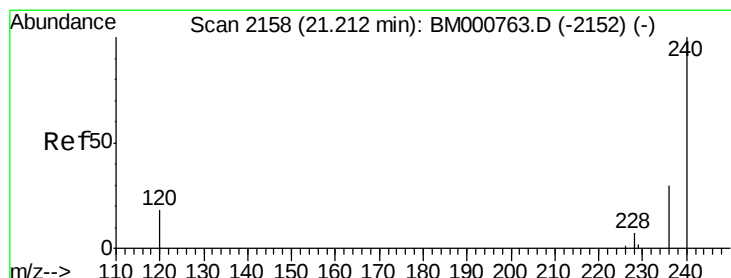
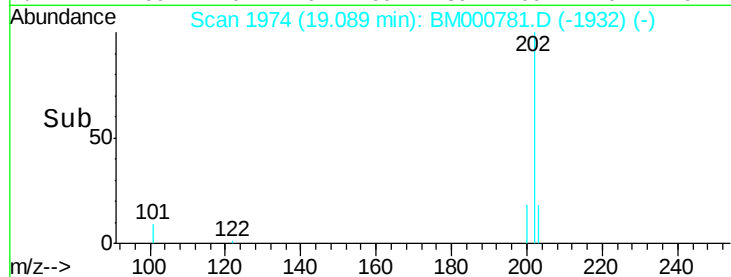
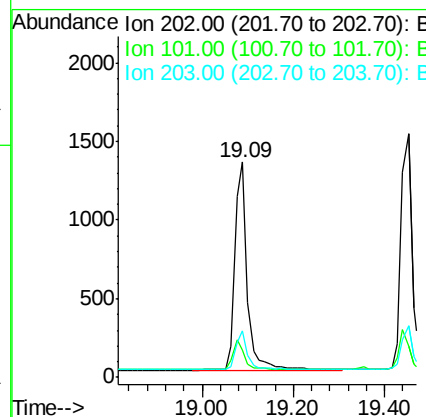
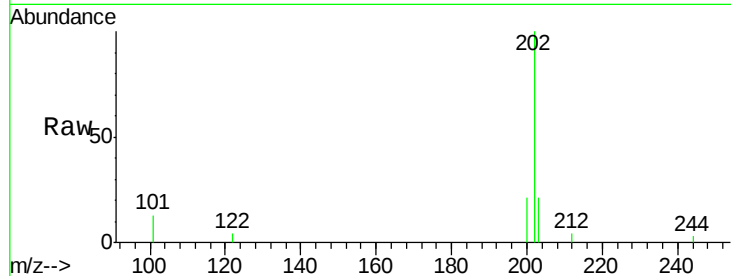
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.5	15.7
203	17.4	13.8	20.8

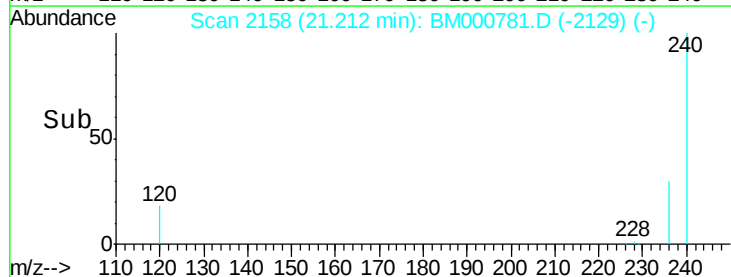
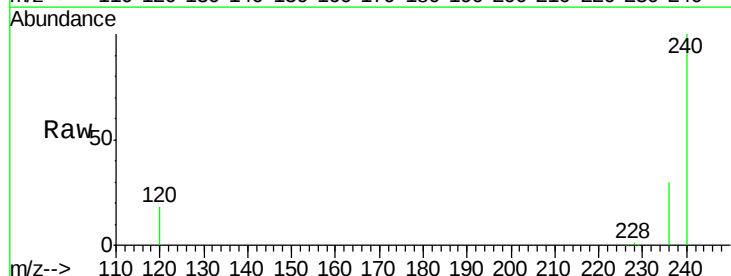
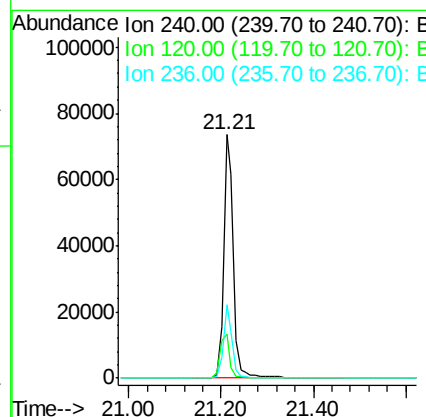
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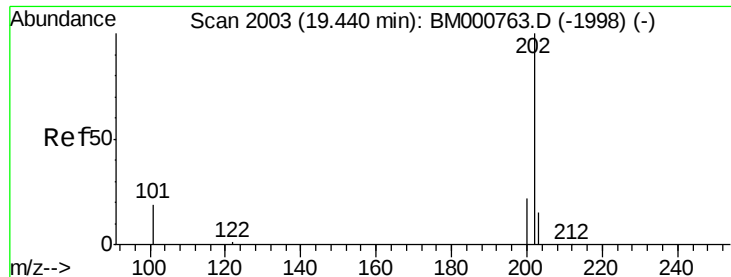
apatel
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.1	14.9	22.3
236	30.0	24.2	36.4





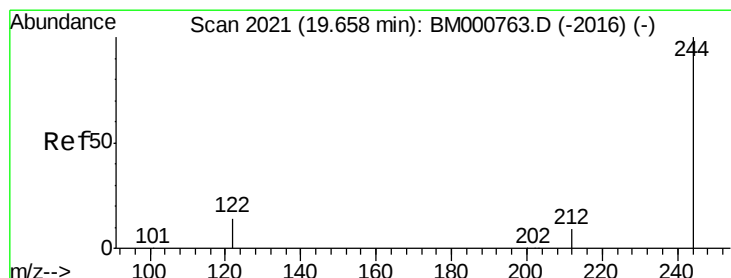
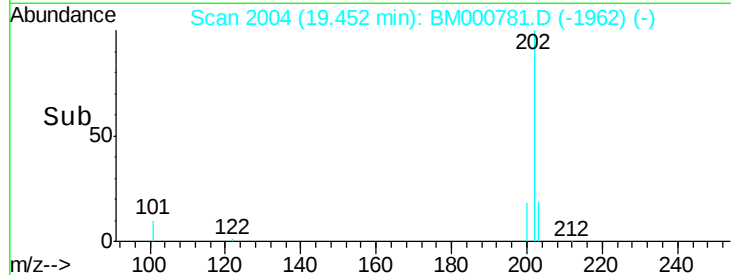
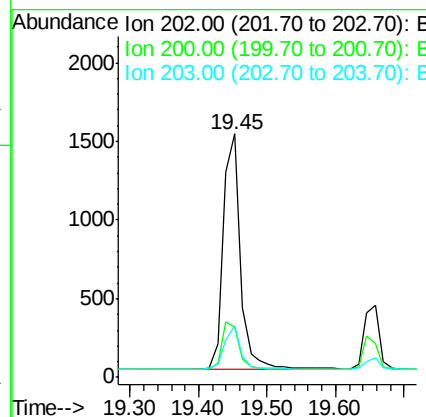
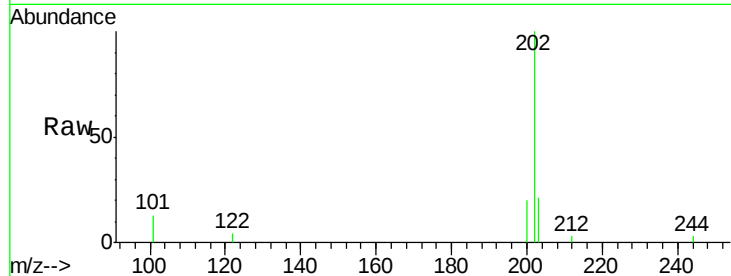
#20
 Pyrene
 Concen: 0.07 ng
 RT: 19.45 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.2	24.2
203	18.2	13.9	20.9

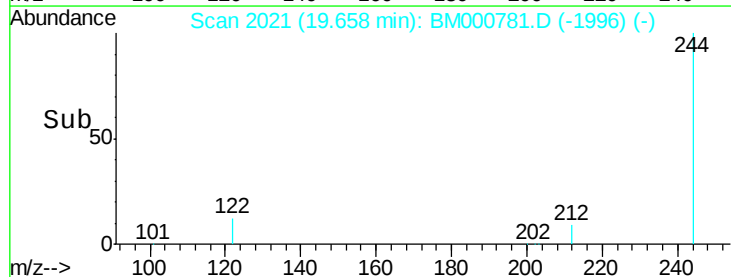
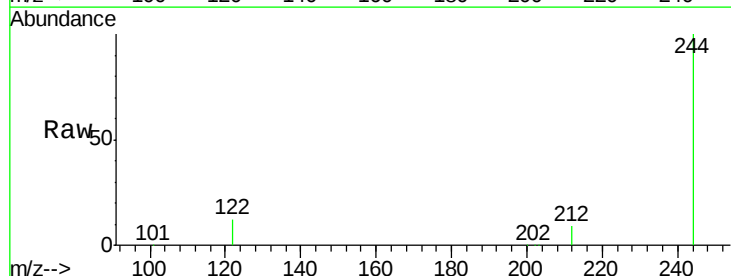
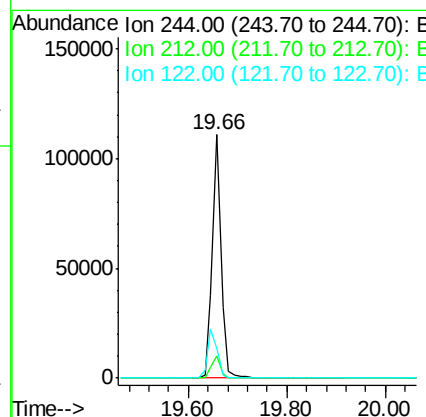
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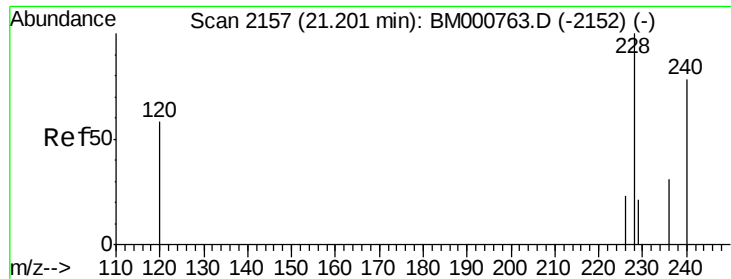
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#21
 Terphenyl-d14
 Concen: 10.65 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.1	7.8	11.6
122	12.1	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: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

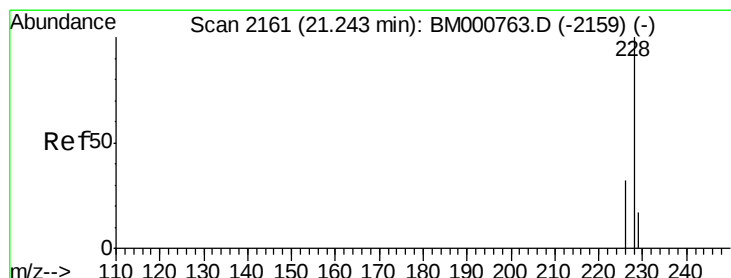
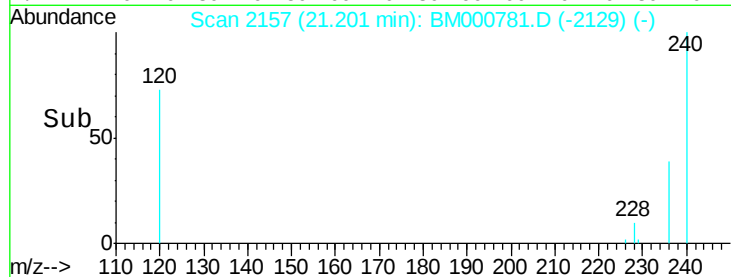
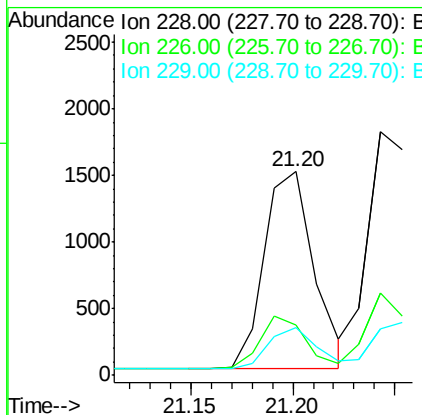
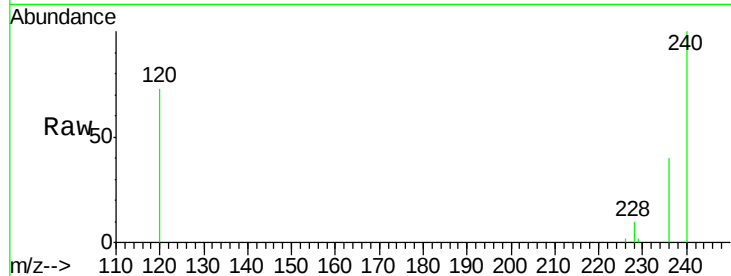
ClientSampleId :

MDL-01-W

Tgt Ion:	228	Resp:	2507
Ion Ratio	Lower	Upper	
228	100		
226	24.7	18.6	27.8
229	23.5	17.2	25.8

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#23

Chrysene

Concen: 0.09 ng

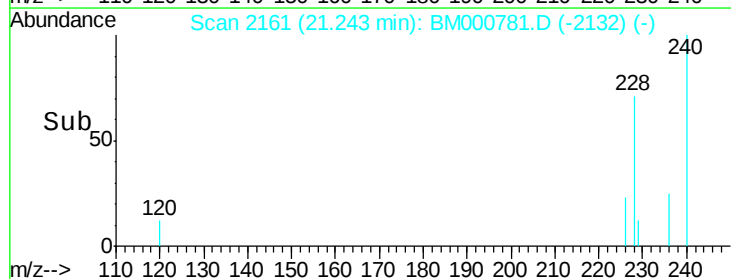
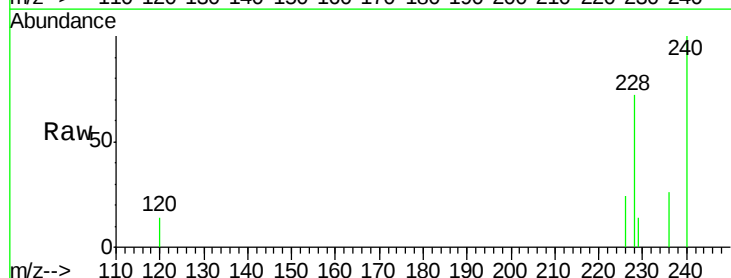
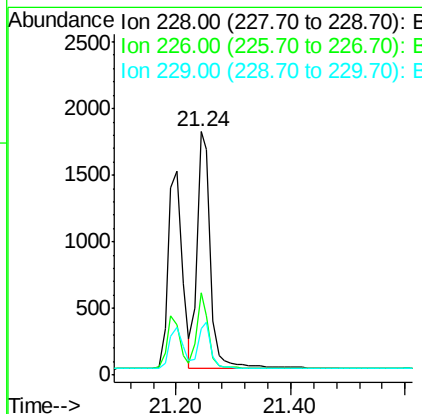
RT: 21.24 min Scan# 2161

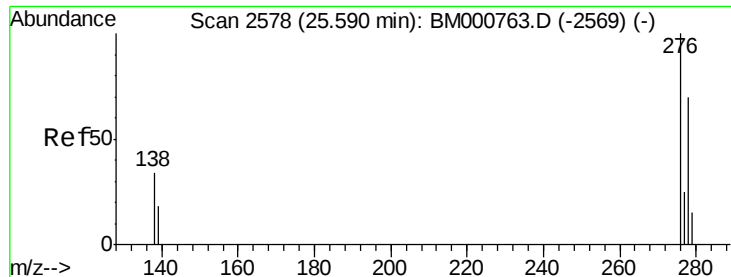
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	228	Resp:	2878
Ion Ratio	Lower	Upper	
228	100		
226	33.6	25.8	38.8
229	19.3	13.8	20.6





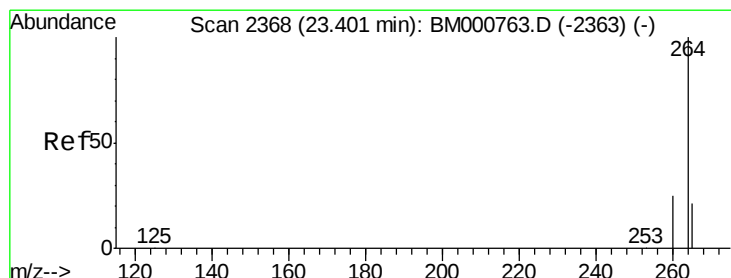
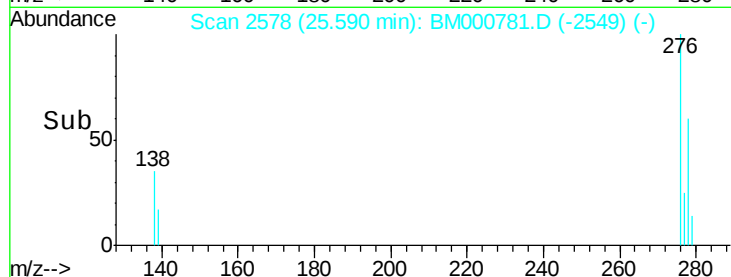
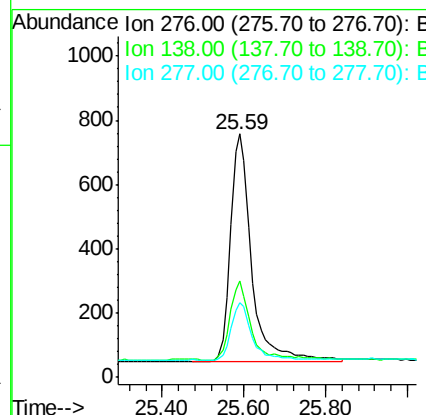
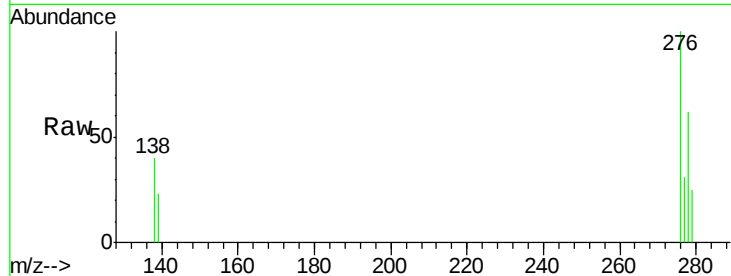
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.59 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.6	27.4	41.2
277	24.3	19.7	29.5

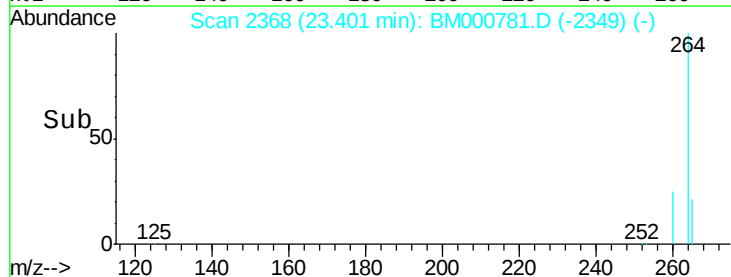
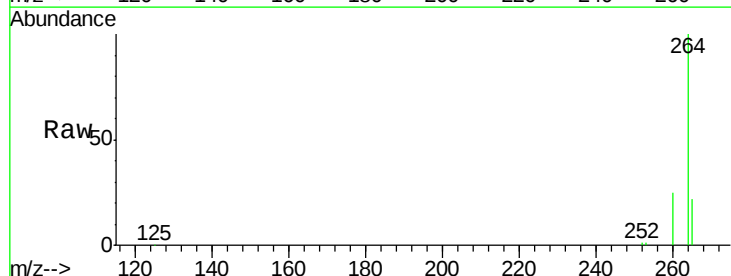
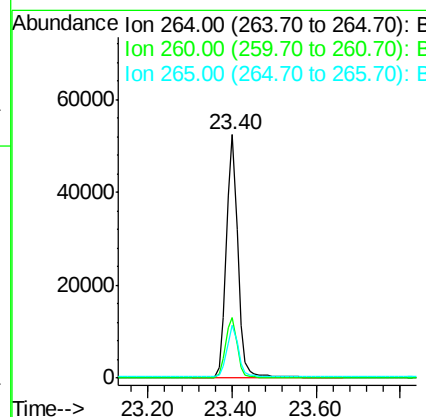
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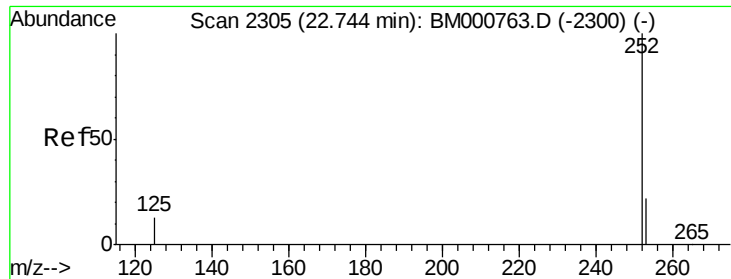
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.7	17.4	26.0





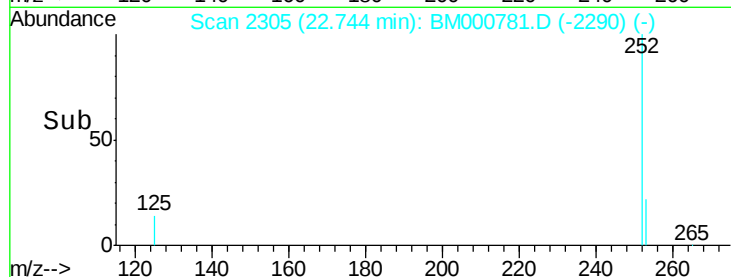
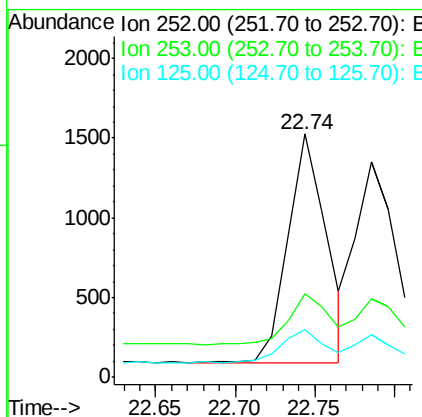
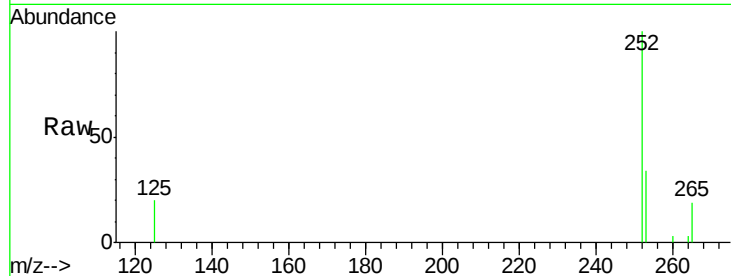
#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	18.5	27.7#
125	19.6	10.6	16.0#

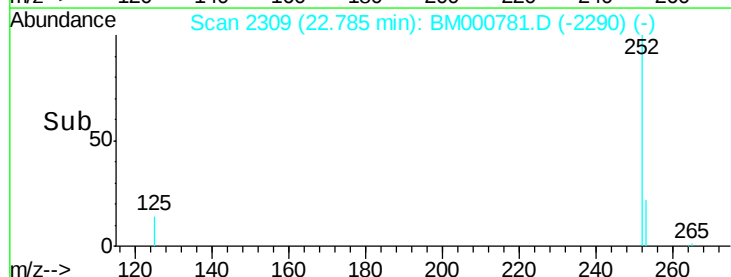
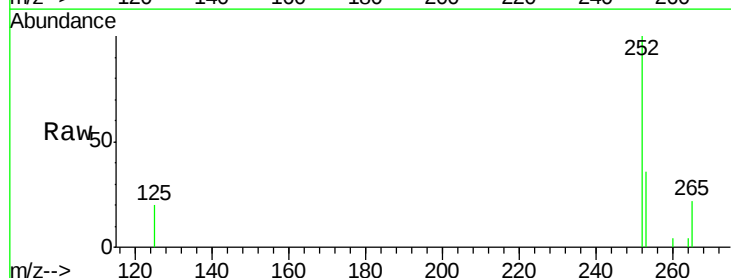
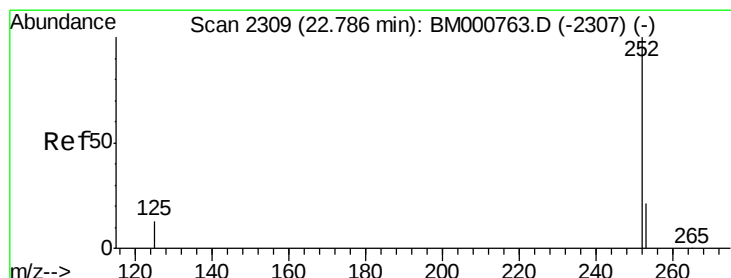
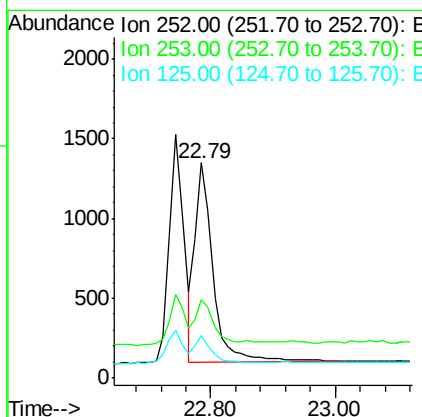
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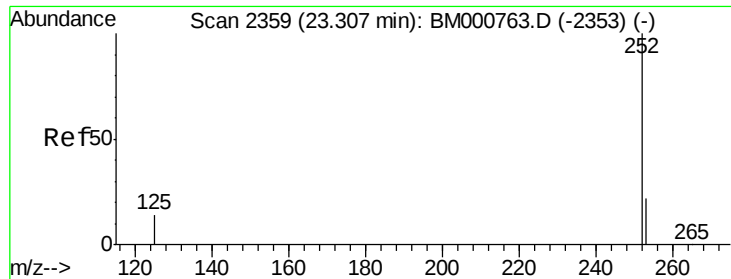
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#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.5	17.9	26.9#
125	19.9	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: BM000781.D

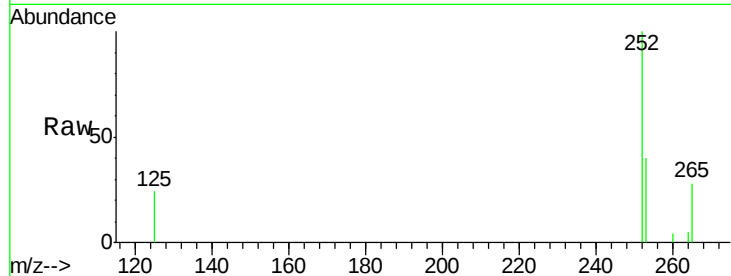
Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampled :

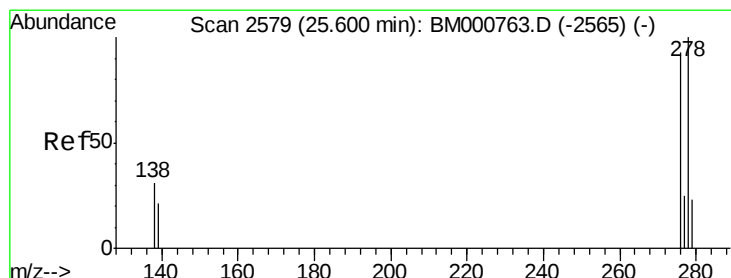
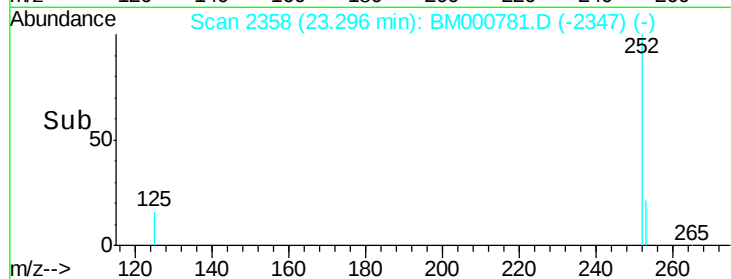
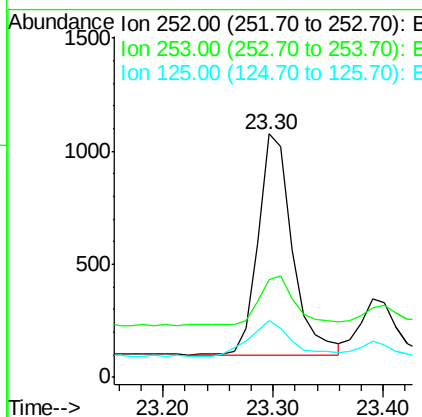
MDL-01-W



Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.3	19.4	29.2#
125	23.6	11.5	17.3#

Manual Integrations
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#29

Dibenzo(a,h)anthracene

Concen: 0.08 ng

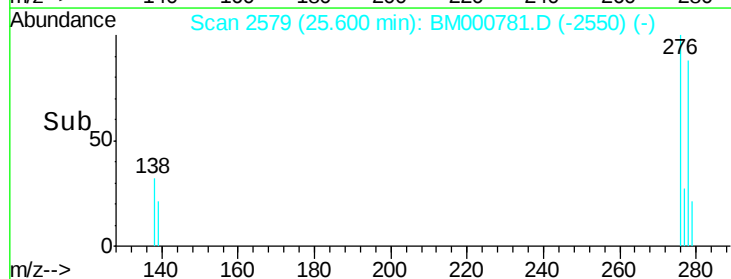
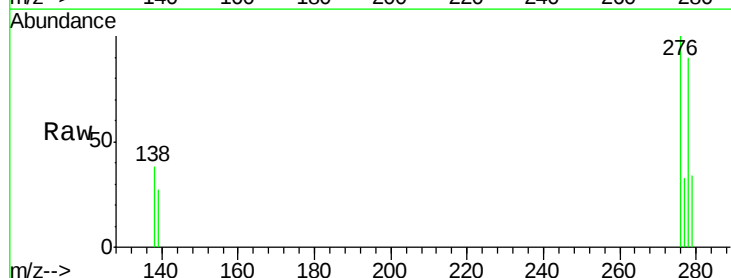
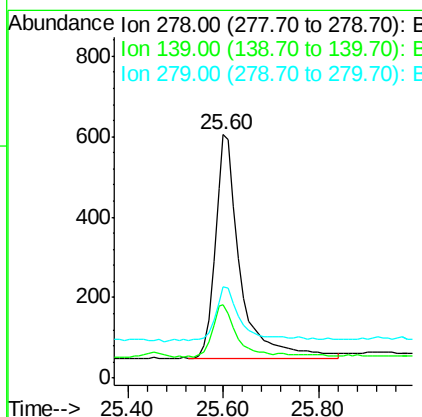
RT: 25.60 min Scan# 2579

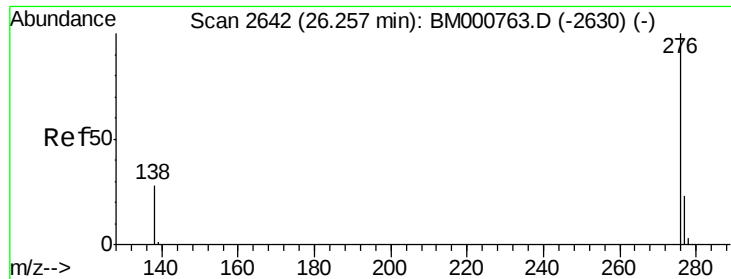
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.4	17.8	26.6#
279	37.4	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: BM000781.D

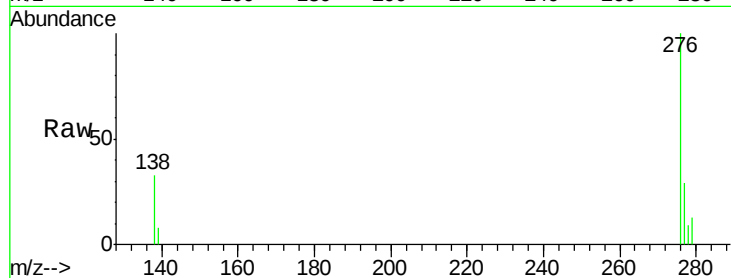
Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

MDL-01-W



Tgt Ion:	276	Resp:	2373
Ion Ratio	Lower	Upper	
276	100		
277	29.4	19.1	28.7#
138	33.1	23.1	34.7

Manual Integrations
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