

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000779.D
 Acq On : 01 Apr 2015 08:31
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SOIL-0.1/0.2PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Manual Integrations
 APPROVED

apatel
 4/1/2015 6:18:08 PM

Quant Time: Apr 01 15:19:51 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	39215	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	132987	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	64354	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	139408	5.00	ng	0.00
19) Chrysene-d12	21.21	240	113821	5.00	ng	0.00
25) Perylene-d12	23.40	264	106257	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	57637	7.08	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	173326	8.68	ng	0.00
21) Terphenyl-d14	19.66	244	131451	9.60	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2331	0.08	ng	# 93
7) 2-Methylnaphthalene	12.08	142	1374	0.07	ng	97
10) Acenaphthylene	13.98	152	1757	0.06	ng	99
11) Acenaphthene	14.33	154	1368	0.07	ng	97
12) Fluorene	15.32	166	1625	0.07	ng	98
14) Hexachlorobenzene	16.33	284	596	0.07	ng	# 99
16) Phenanthrene	17.05	178	2863m	0.07	ng	
17) Anthracene	17.15	178	2287	0.07	ng	98
18) Fluoranthene	19.09	202	2683	0.07	ng	99
20) Pyrene	19.45	202	2746	0.07	ng	98
22) Benzo(a)anthracene	21.20	228	2618	0.08	ng	97
23) Chrysene	21.25	228	2912	0.09	ng	# 90
24) Indeno(1,2,3-cd)pyrene	25.59	276	2623	0.07	ng	100
26) Benzo(b)fluoranthene	22.74	252	2372	0.07	ng	# 79
27) Benzo(k)fluoranthene	22.79	252	2606	0.08	ng	# 78
28) Benzo(a)pyrene	23.31	252	2135	0.07	ng	# 71
29) Dibenzo(a,h)anthracene	25.61	278	2095	0.07	ng	# 82
30) Benzo(g,h,i)perylene	26.26	276	2434	0.08	ng	91

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

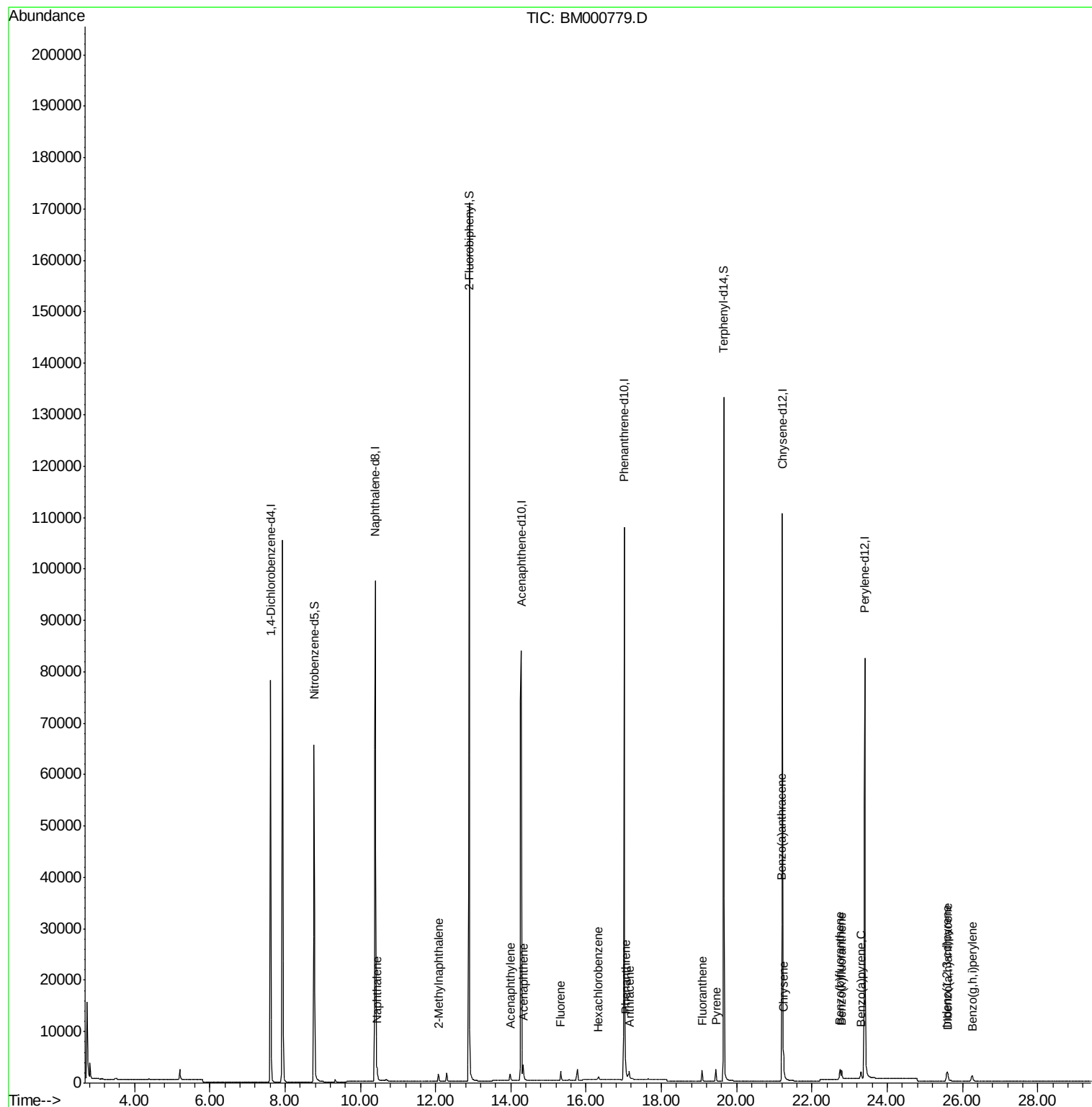
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000779.D
Acq On : 01 Apr 2015 08:31
Operator : TP/IZ
Sample : MDL-07-S
Misc : MDL-SOIL-0.1/0.2PPM
ALS Vial : 19 Sample Multiplier: 1

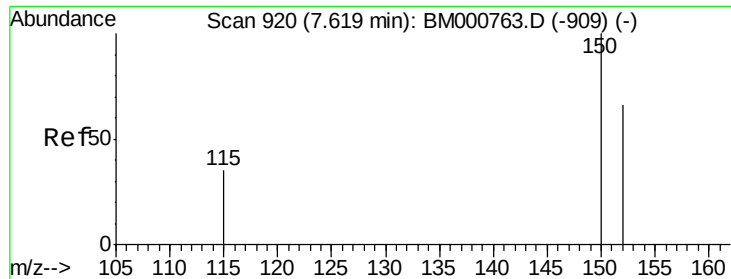
Instrument :
BNA_M
ClientSampleId :
MDL-07-S

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM

Quant Time: Apr 01 15:19:51 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 919

Delta R.T. -0.01 min

Lab File: BM000779.D

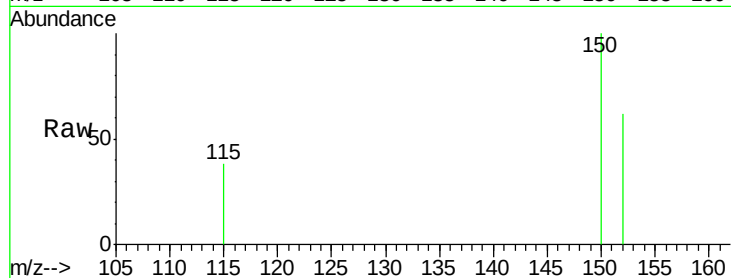
Acq: 01 Apr 2015 08:31

Instrument :

BNA_M

ClientSampled :

MDL-07-S



Tgt Ion:152 Resp: 39215

Ion Ratio Lower Upper

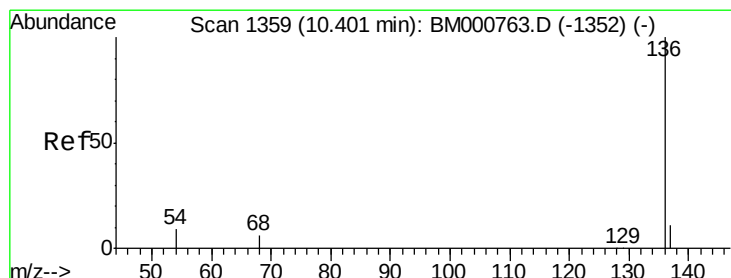
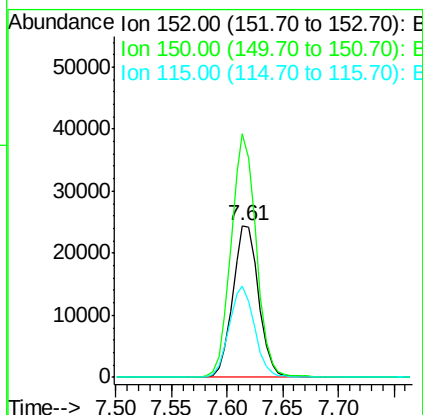
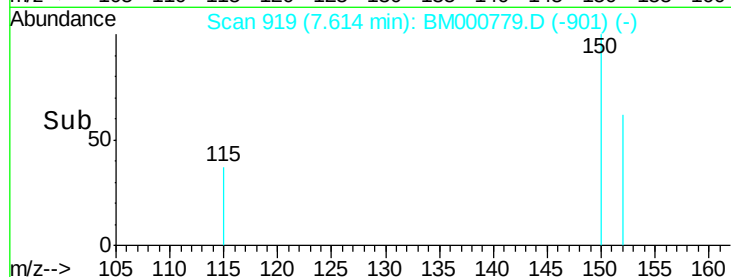
152 100

150 160.7 120.8 181.2

115 60.3 42.7 64.1

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000779.D

Acq: 01 Apr 2015 08:31

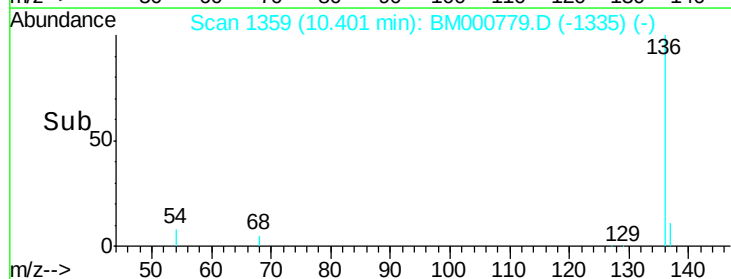
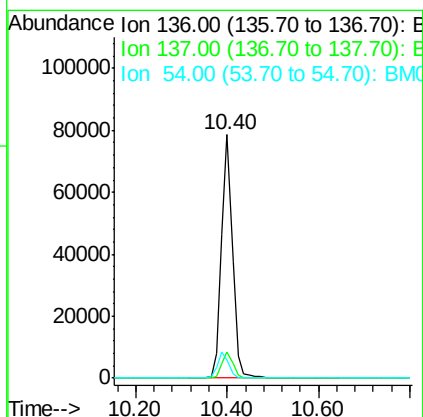
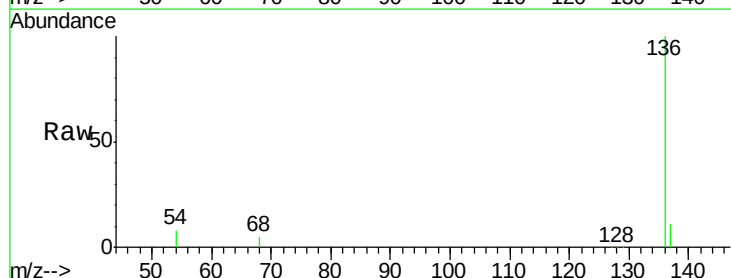
Tgt Ion:136 Resp: 132987

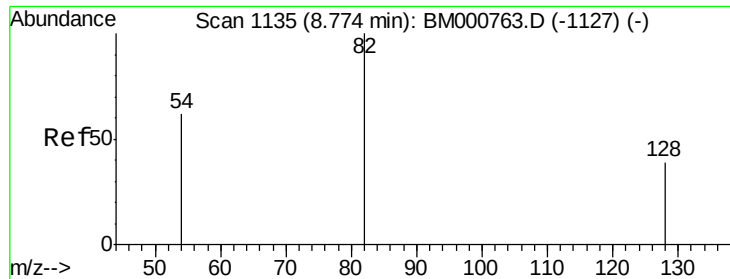
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 7.8 7.0 10.6





#5

Nitrobenzene-d5

Concen: 7.08 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000779.D

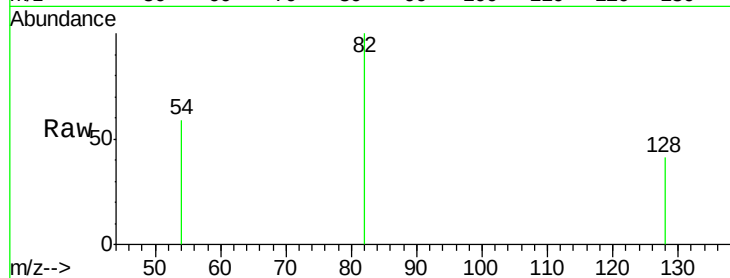
Acq: 01 Apr 2015 08:31

Instrument :

BNA_M

ClientSampleId :

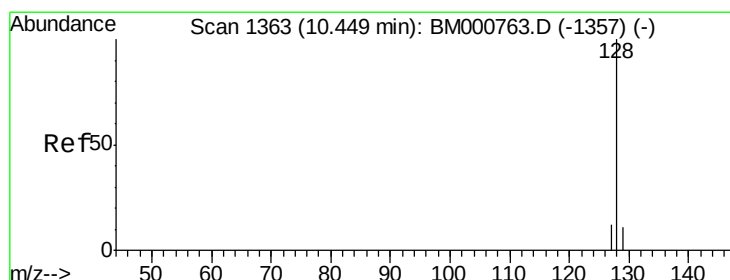
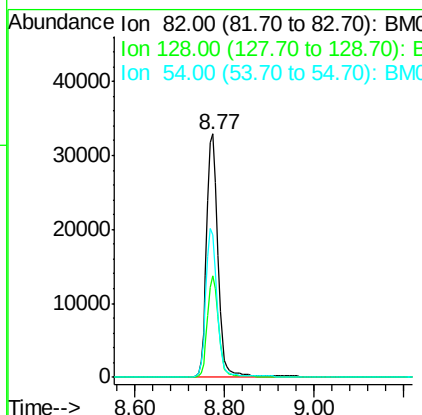
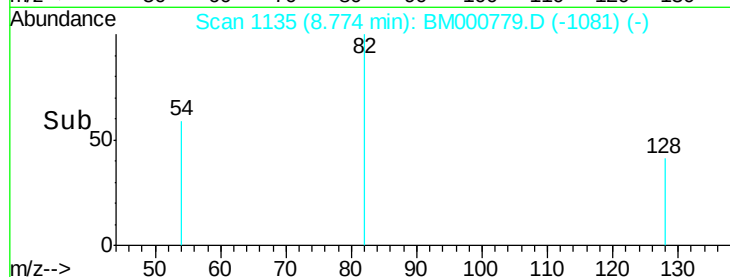
MDL-07-S



Tgt Ion:	82	Resp:	57637
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.2	48.2
54	58.7	50.2	75.4

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM



#6

Naphthalene

Concen: 0.08 ng

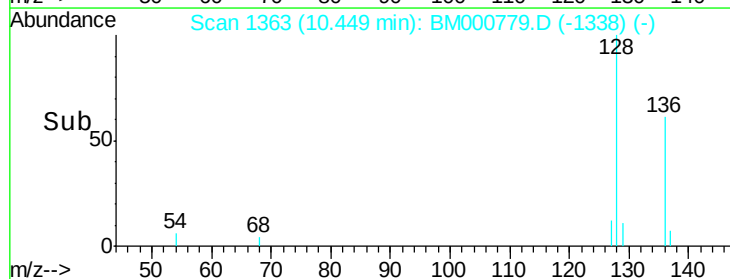
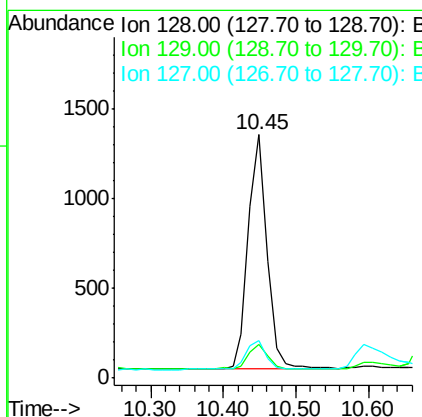
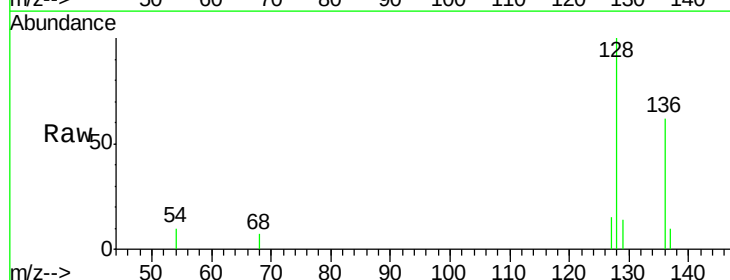
RT: 10.45 min Scan# 1363

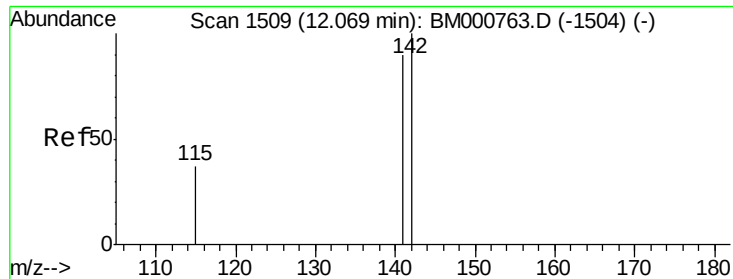
Delta R.T. 0.00 min

Lab File: BM000779.D

Acq: 01 Apr 2015 08:31

Tgt Ion:	128	Resp:	2331
Ion Ratio	Lower	Upper	
128	100		
129	14.0	8.9	13.3#
127	15.1	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: BM000779.D

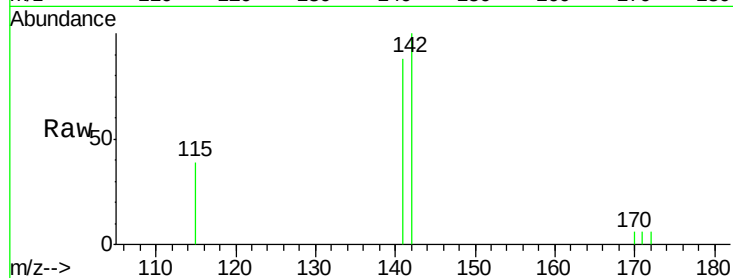
Acq: 01 Apr 2015 08:31

Instrument :

BNA_M

ClientSampled :

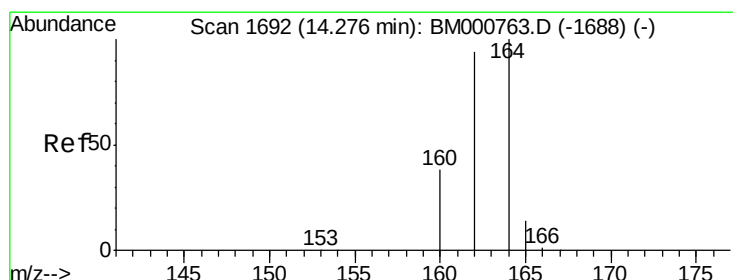
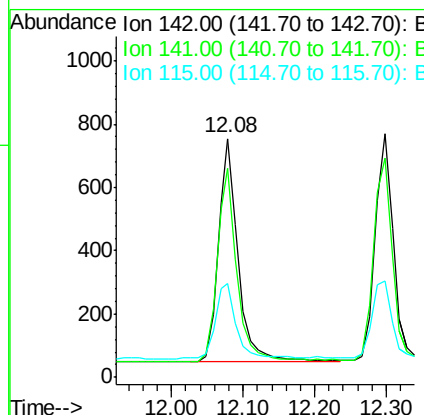
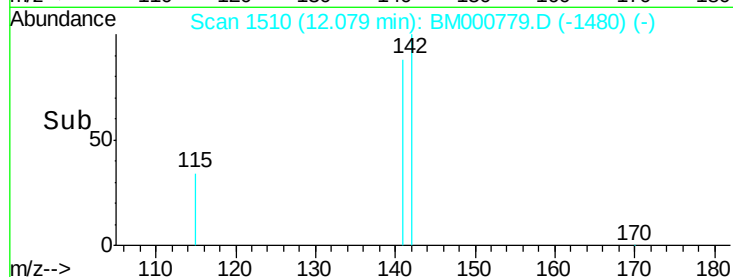
MDL-07-S



Tgt Ion:	142	Resp:	1374
Ion Ratio	Lower	Upper	
142	100		
141	87.7	72.3	108.5
115	39.5	29.5	44.3

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM



#8

Acenaphthene-d10

Concen: 5.00 ng

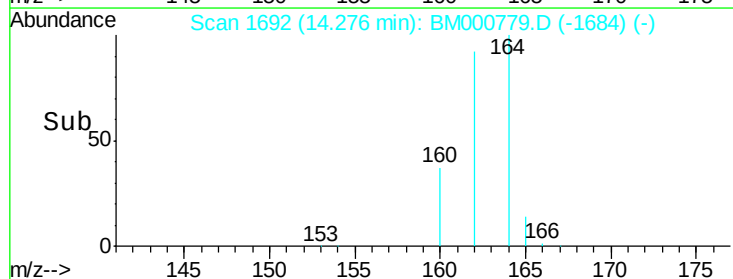
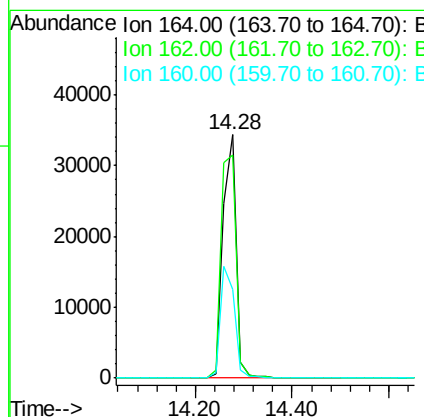
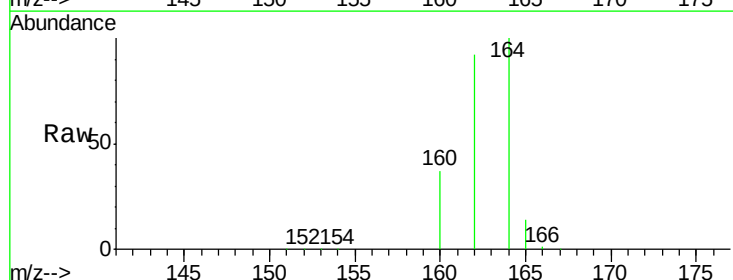
RT: 14.28 min Scan# 1692

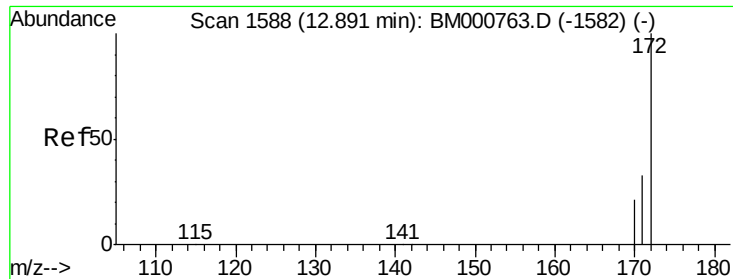
Delta R.T. 0.00 min

Lab File: BM000779.D

Acq: 01 Apr 2015 08:31

Tgt Ion:	164	Resp:	64354
Ion Ratio	Lower	Upper	
164	100		
162	91.7	75.4	113.2
160	36.7	30.8	46.2





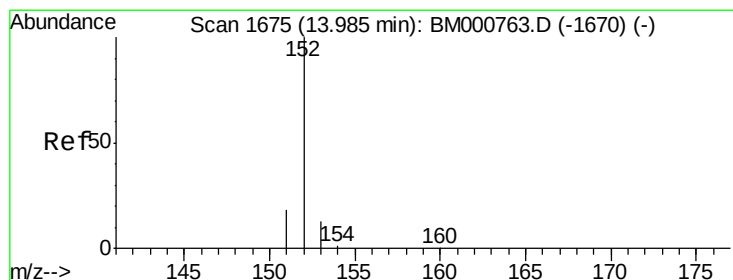
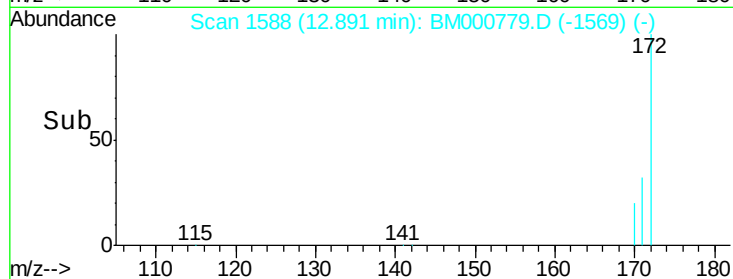
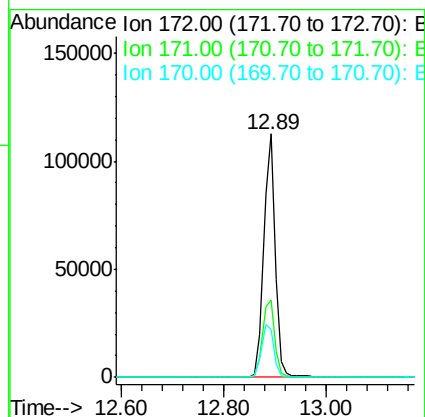
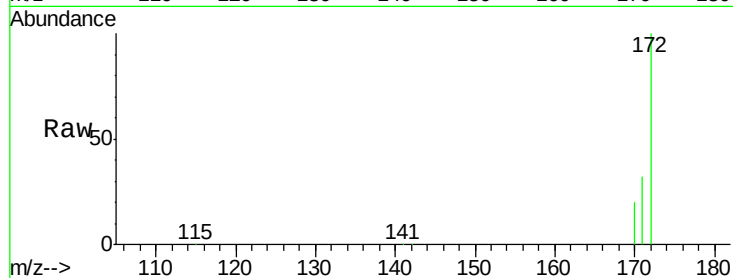
#9
2-Fluorobiphenyl
Concen: 8.68 ng
RT: 12.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.7	26.6	39.8
170	19.7	17.1	25.7

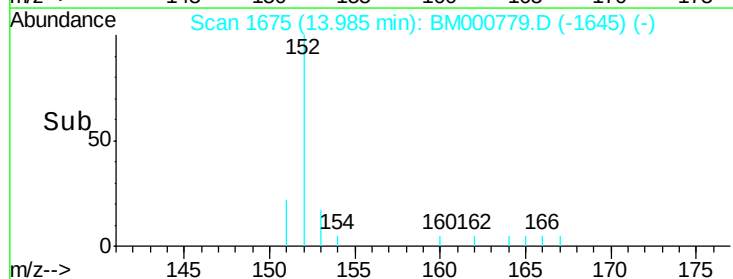
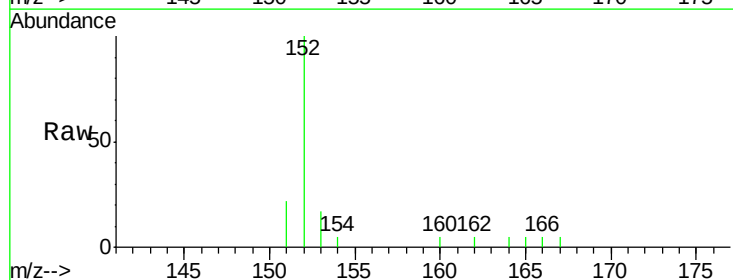
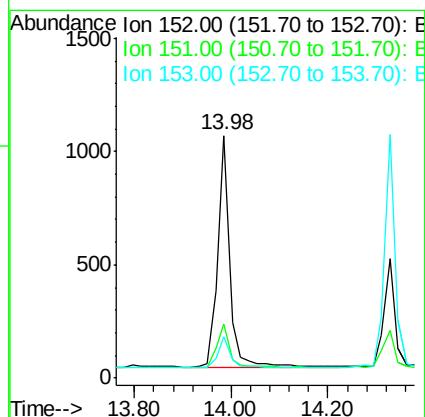
Manual Integrations
APPROVED

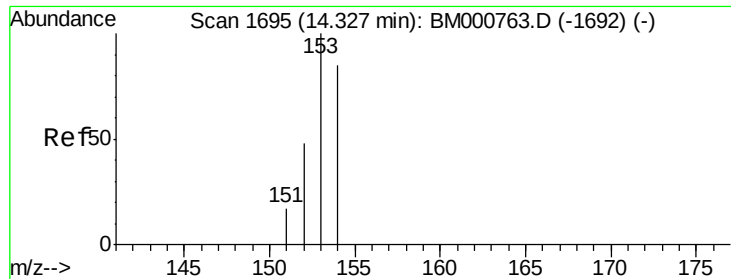
apatel
4/1/2015 6:18:08 PM



#10
Acenaphthylene
Concen: 0.06 ng
RT: 13.98 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7
153	13.1	10.2	15.4





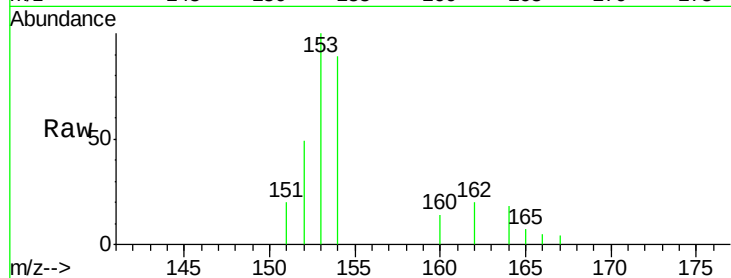
#11
Acenaphthene
Concen: 0.07 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

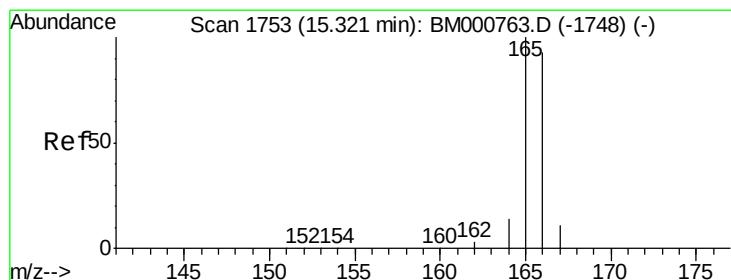
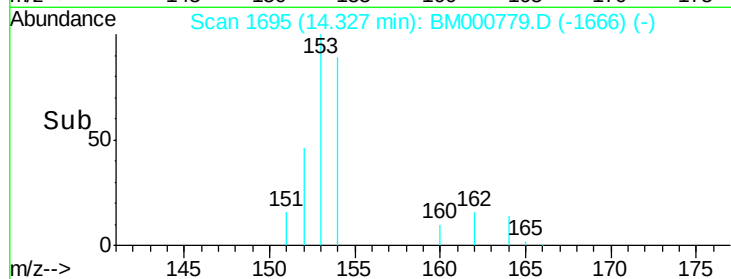
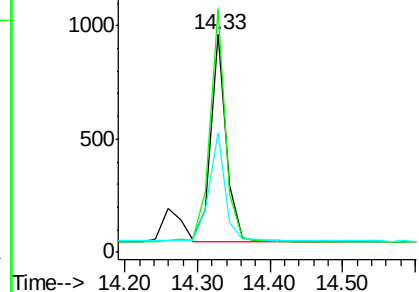
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	87.3	130.9
152	53.9	43.0	64.6

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM



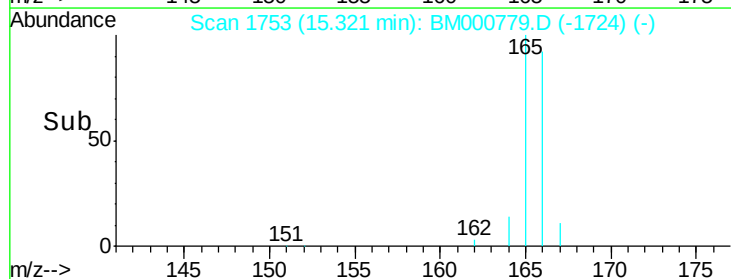
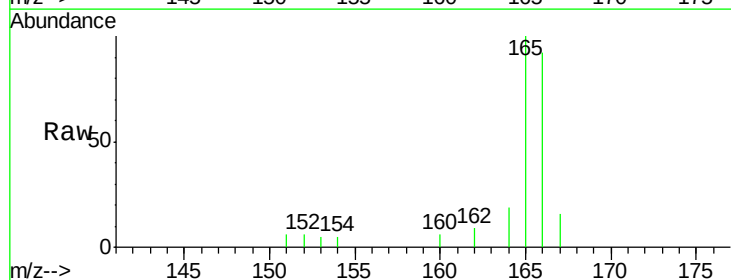
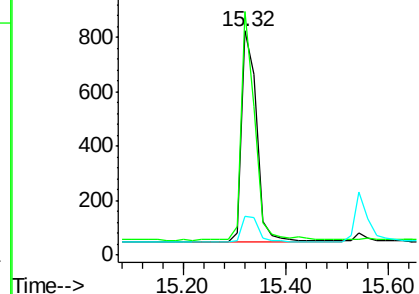
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

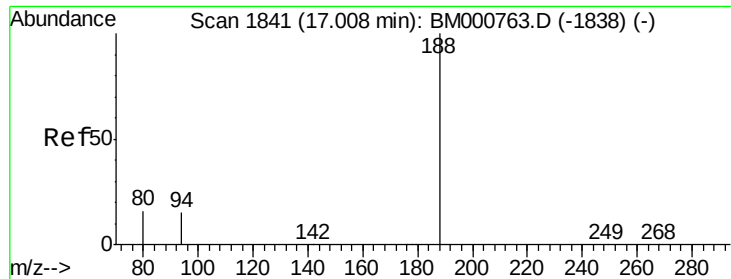


#12
Fluorene
Concen: 0.07 ng
RT: 15.32 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.2	117.2
167	13.2	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





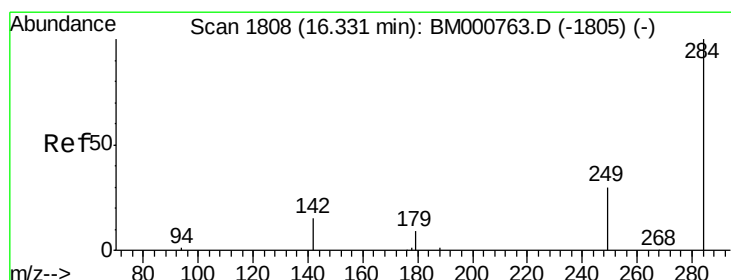
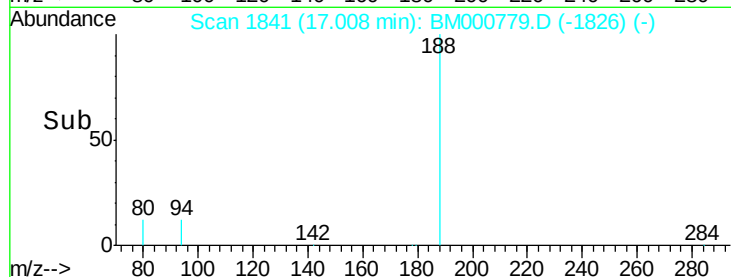
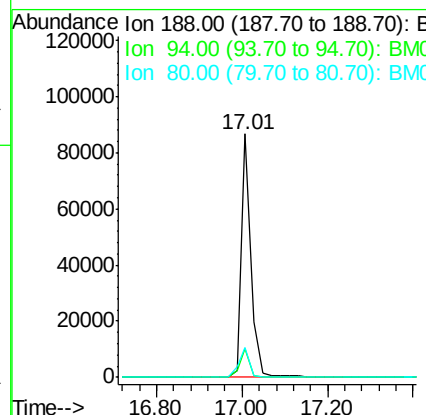
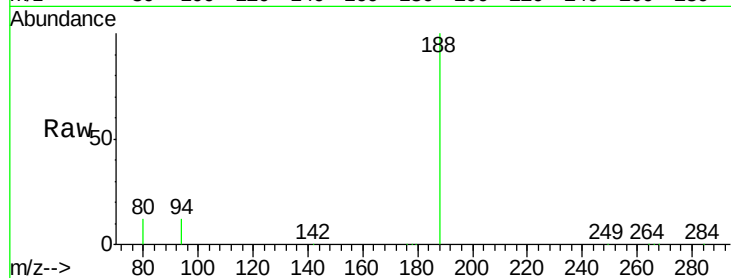
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampled :
MDL-07-S

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	139408		
94	11.7	12.0	18.0#	
80	12.0	12.8	19.2#	

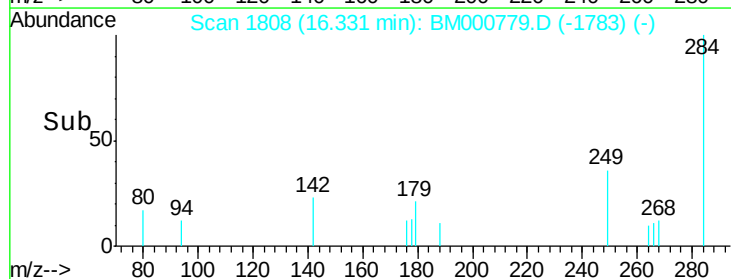
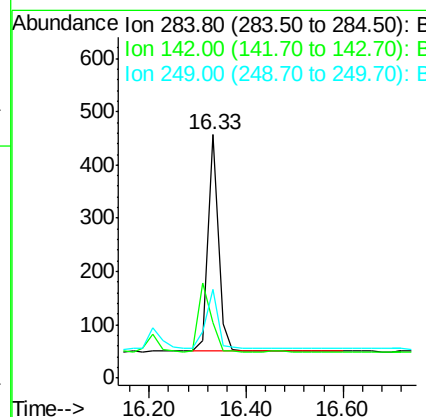
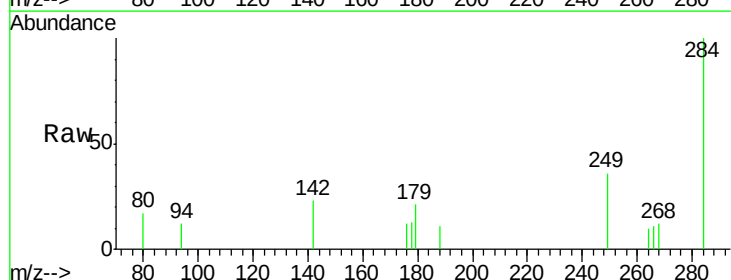
Manual Integrations
APPROVED

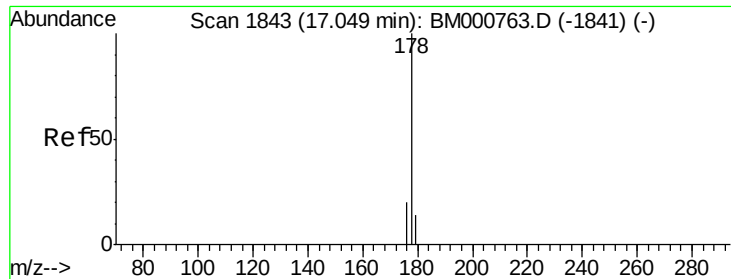
apatel
4/1/2015 6:18:08 PM



#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	596		
142	0.0	0.0	0.0	
249	31.2	25.2	37.8	





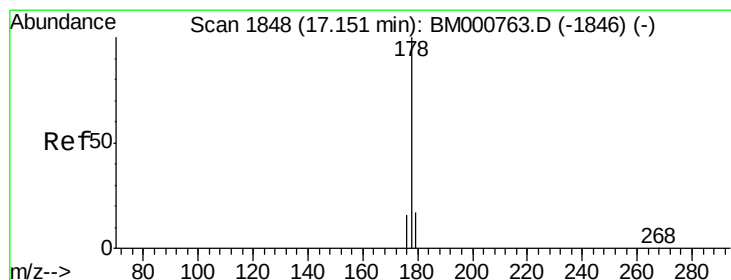
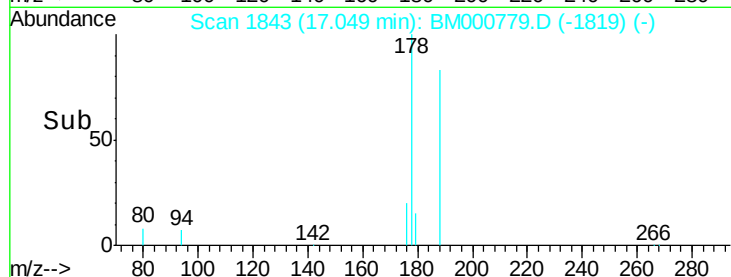
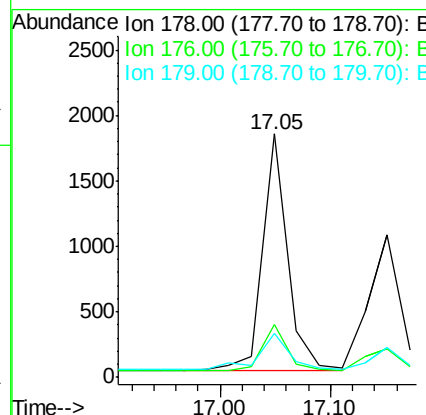
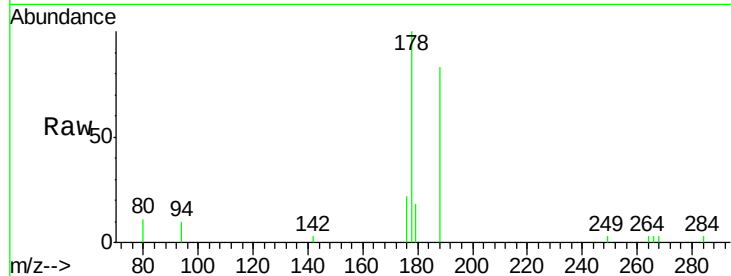
#16
Phenanthrene
Concen: 0.07 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.7	15.3	22.9#
179	12.1	12.2	18.2#

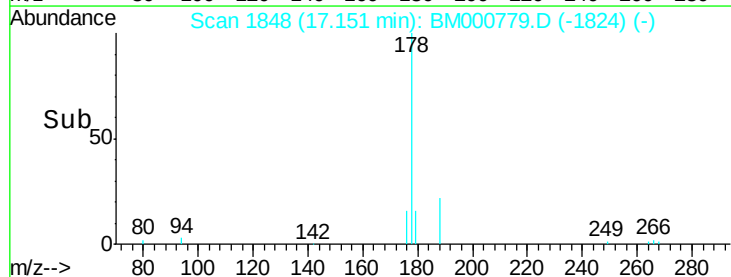
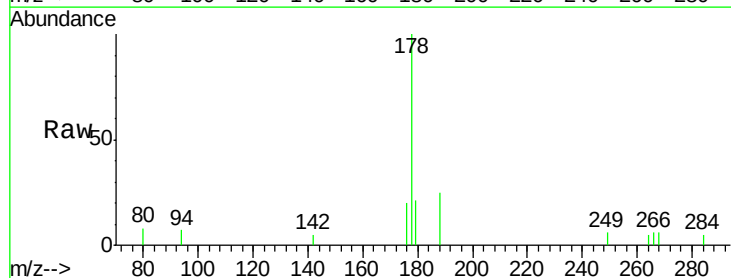
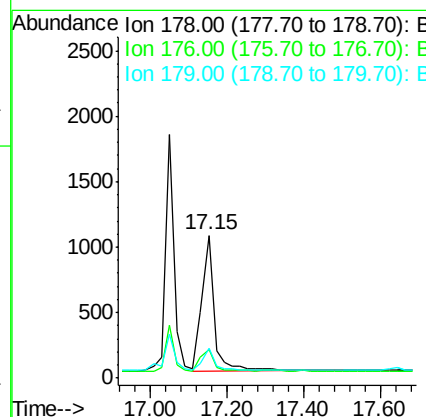
Manual Integrations
APPROVED

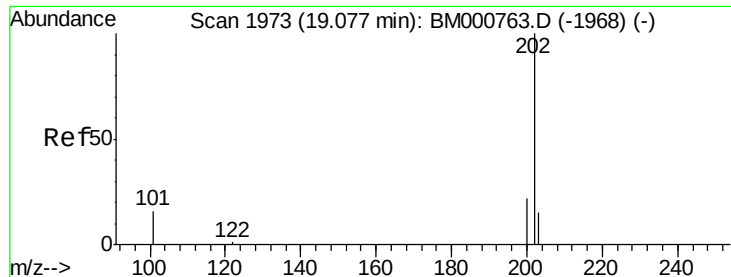
apatel
4/1/2015 6:18:08 PM



#17
Anthracene
Concen: 0.07 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.6	22.0
179	15.2	12.2	18.4





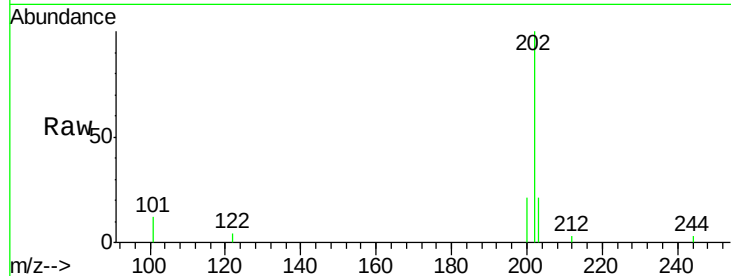
#18
Fluoranthene
Concen: 0.07 ng
RT: 19.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

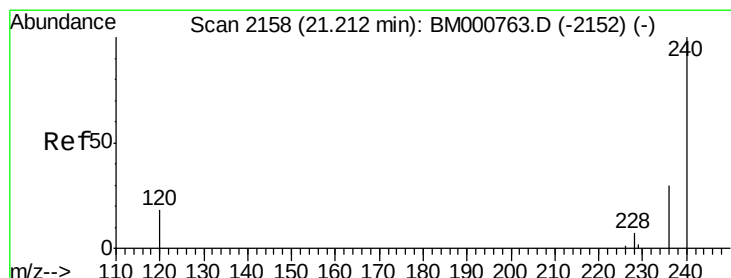
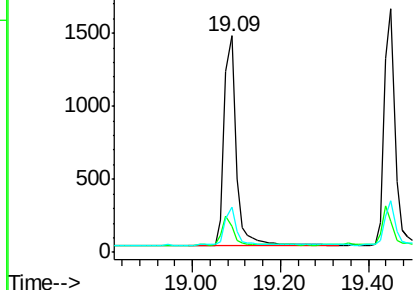
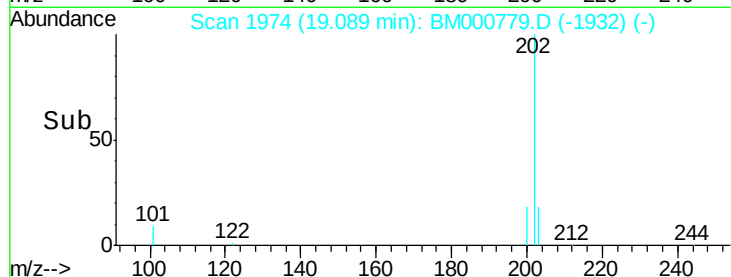
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
203	17.7	13.8	20.8

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM

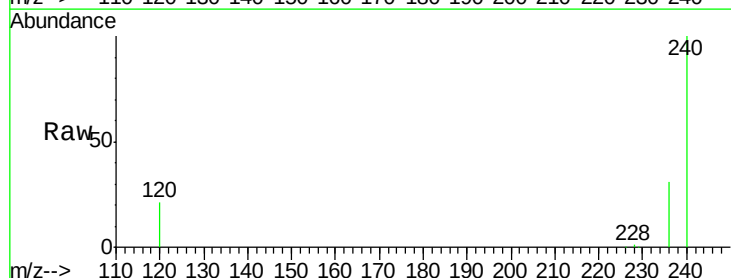


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

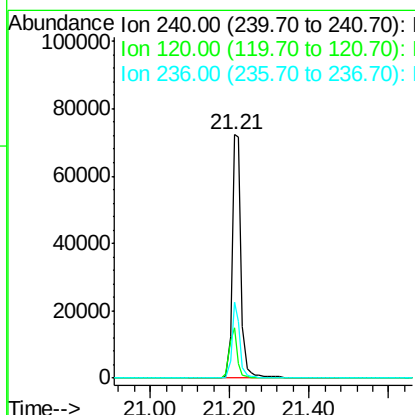
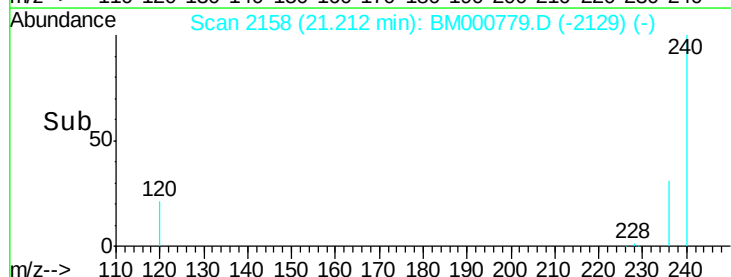


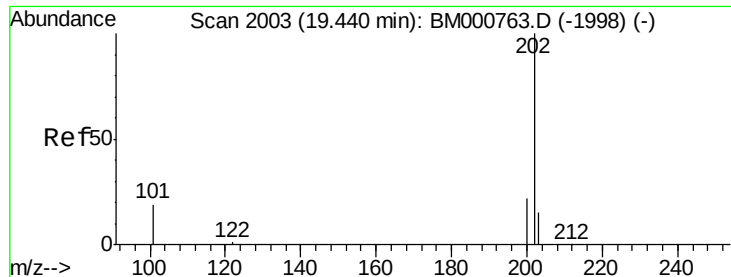
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.7	14.9	22.3
236	31.0	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





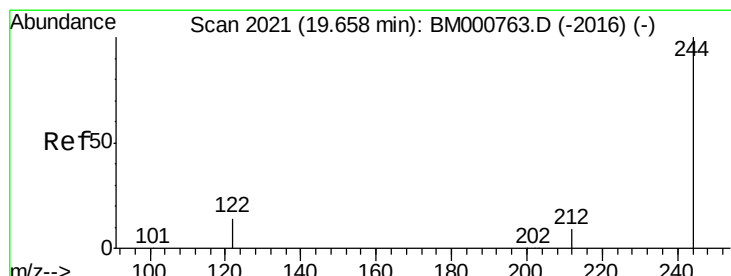
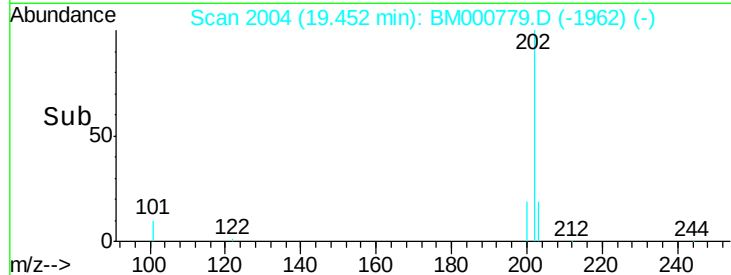
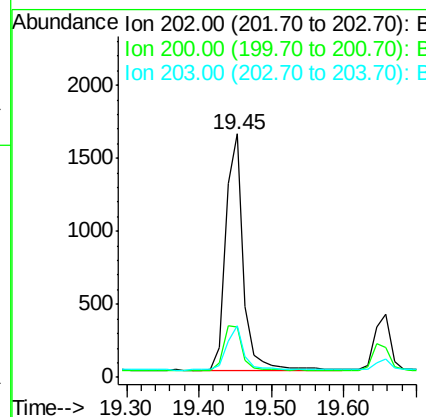
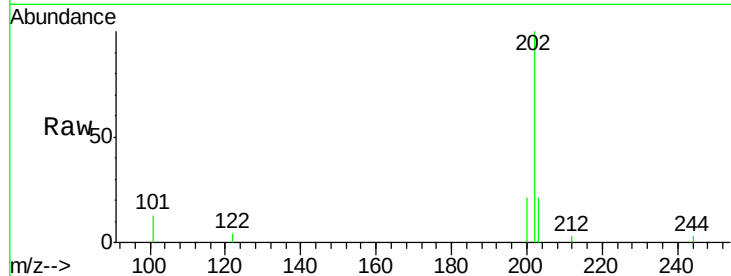
#20
 Pyrene
 Concen: 0.07 ng
 RT: 19.45 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BM000779.D
 Acq: 01 Apr 2015 08:31

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2746		
200	20.8	16.2	24.2	
203	18.5	13.9	20.9	

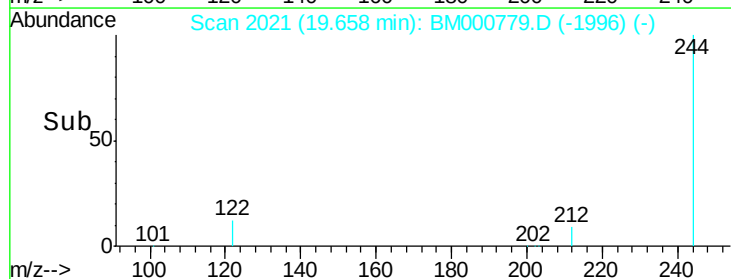
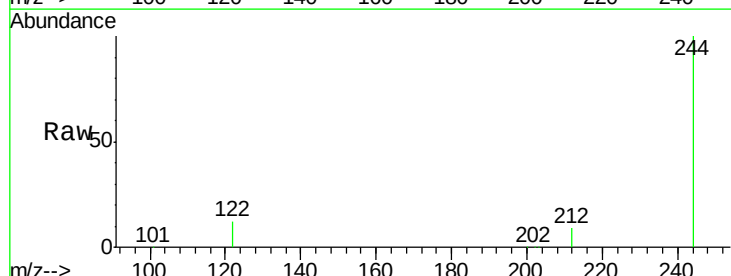
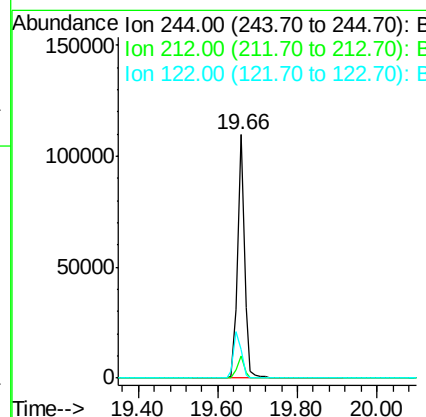
Manual Integrations
 APPROVED

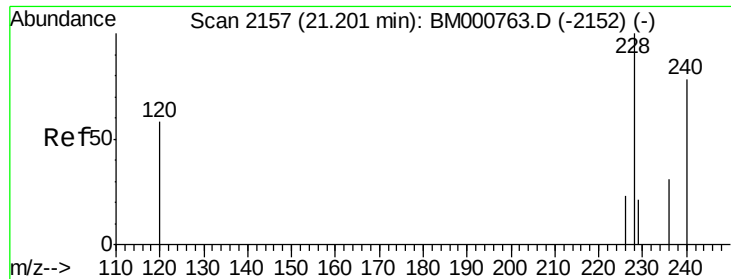
apatel
 4/1/2015 6:18:08 PM



#21
 Terphenyl-d14
 Concen: 9.60 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BM000779.D
 Acq: 01 Apr 2015 08:31

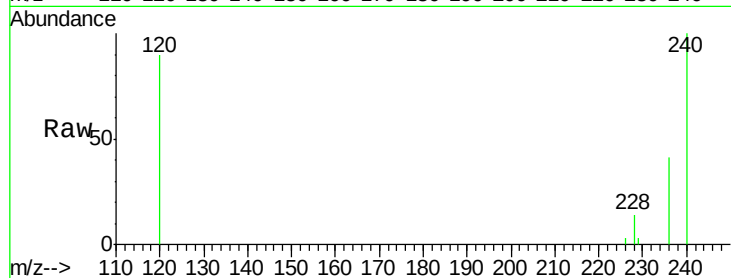
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	131451		
212	9.0	7.8	11.6	
122	11.7	11.8	17.8#	





#22
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.20 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

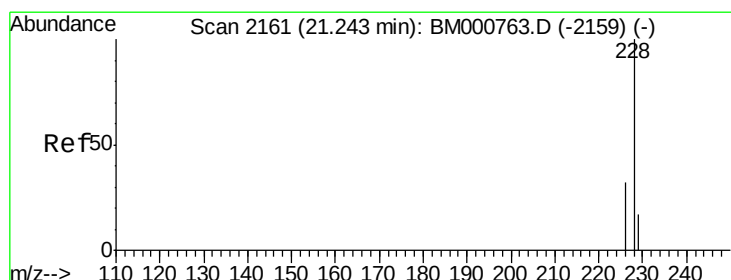
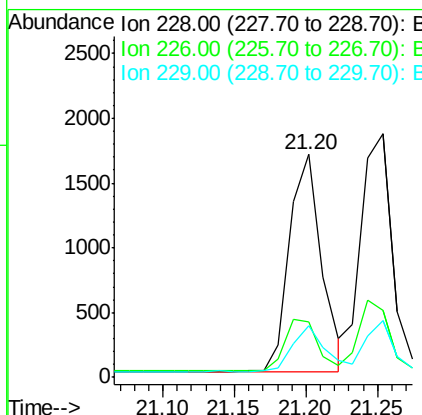
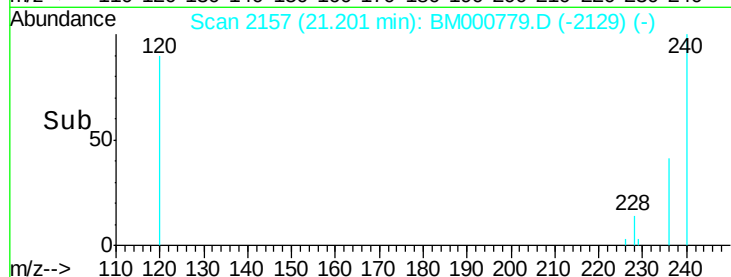
Instrument :
BNA_M
ClientSampleId :
MDL-07-S



Tgt Ion: 228 Resp: 2618
Ion Ratio Lower Upper
228 100
226 24.9 18.6 27.8
229 23.1 17.2 25.8

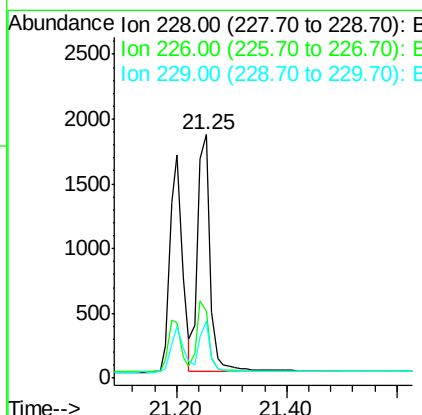
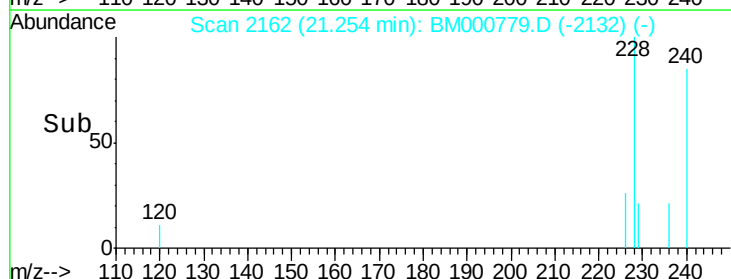
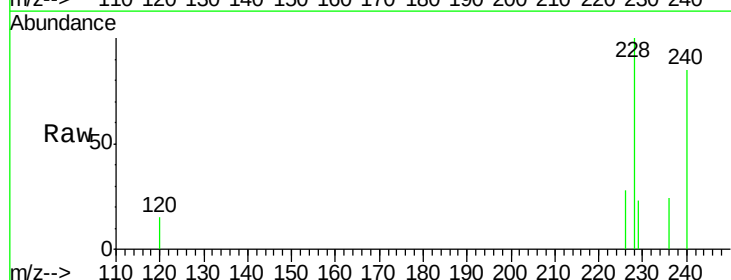
Manual Integrations
APPROVED

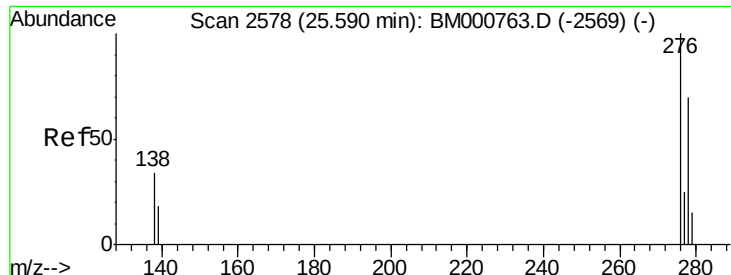
apatel
4/1/2015 6:18:08 PM



#23
Chrysene
Concen: 0.09 ng
RT: 21.25 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

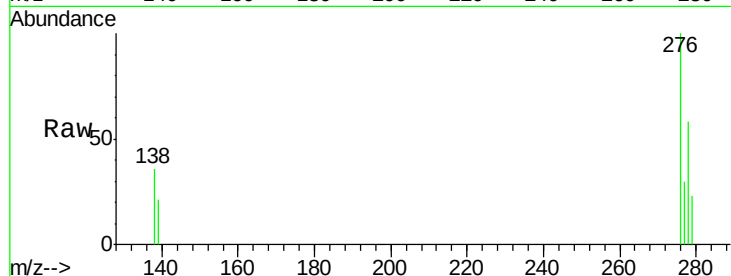
Tgt Ion: 228 Resp: 2912
Ion Ratio Lower Upper
228 100
226 27.6 25.8 38.8
229 23.4 13.8 20.6#





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

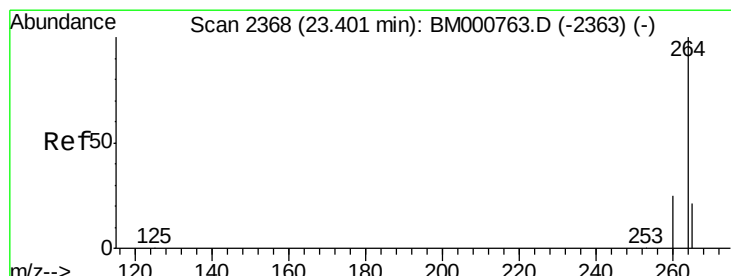
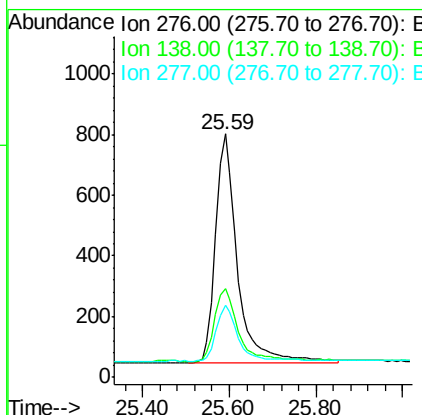
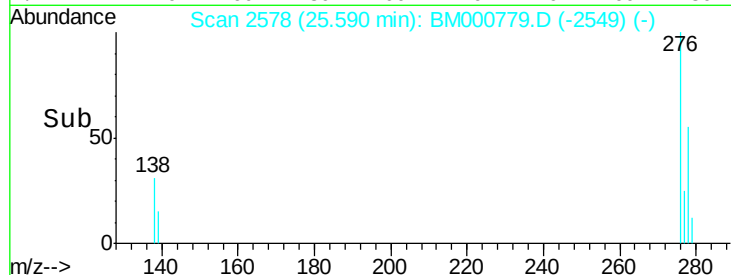
Instrument :
BNA_M
ClientSampled :
MDL-07-S



Tgt Ion: 276 Resp: 2623
Ion Ratio Lower Upper
276 100
138 34.2 27.4 41.2
277 24.6 19.7 29.5

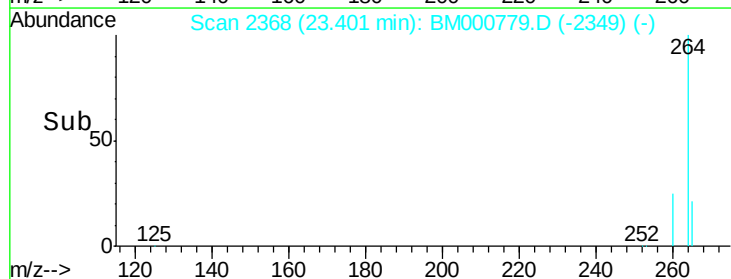
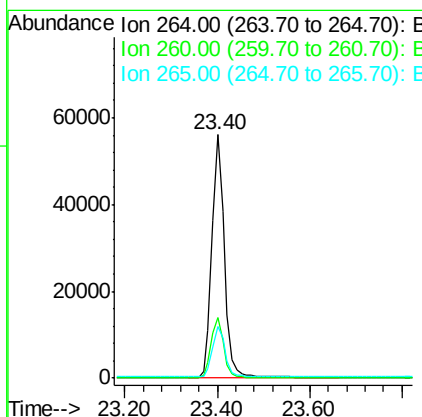
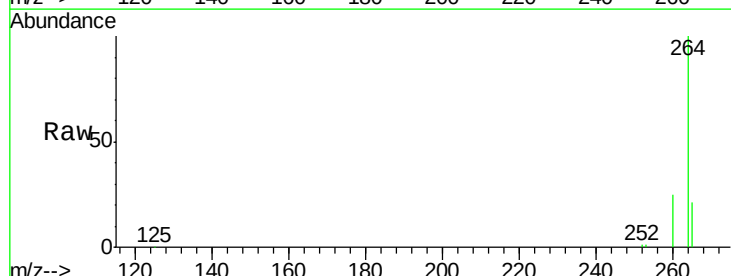
Manual Integrations
APPROVED

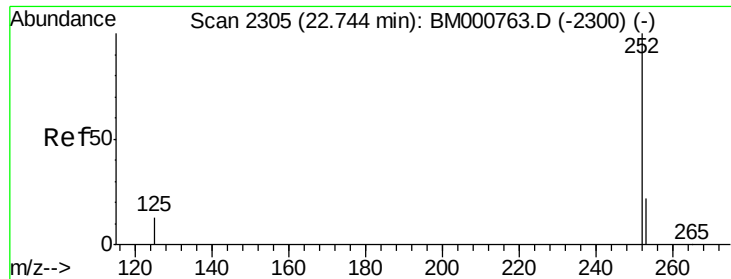
apatel
4/1/2015 6:18:08 PM



#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion: 264 Resp: 106257
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 21.1 17.4 26.0





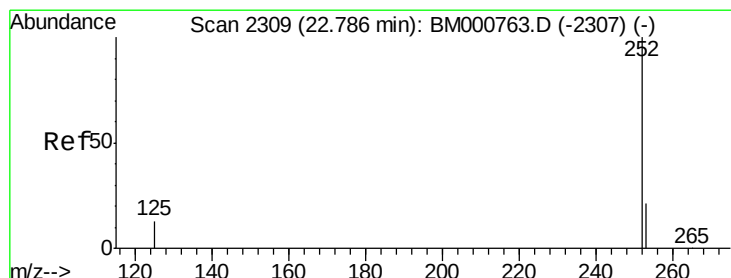
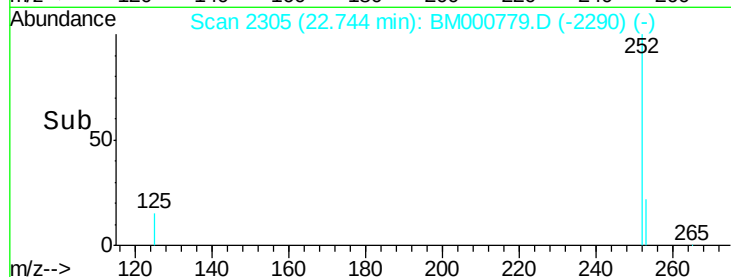
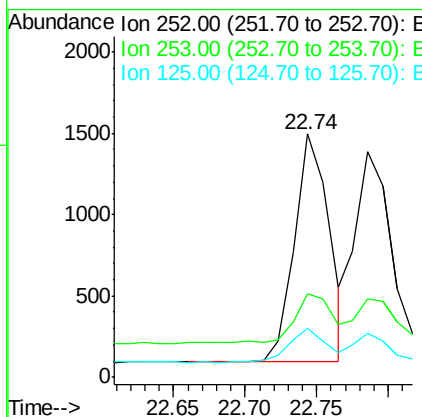
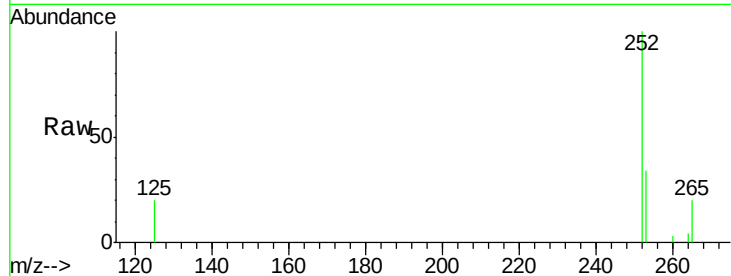
#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Instrument :
BNA_M
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	18.5	27.7#
125	20.0	10.6	16.0#

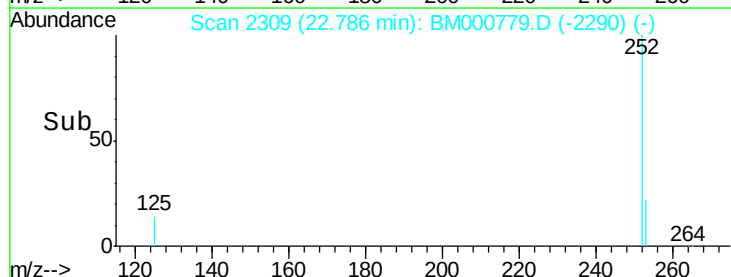
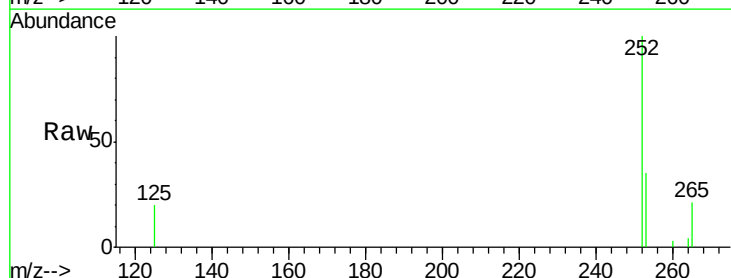
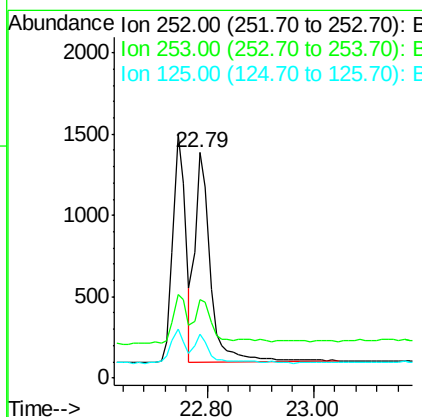
Manual Integrations
APPROVED

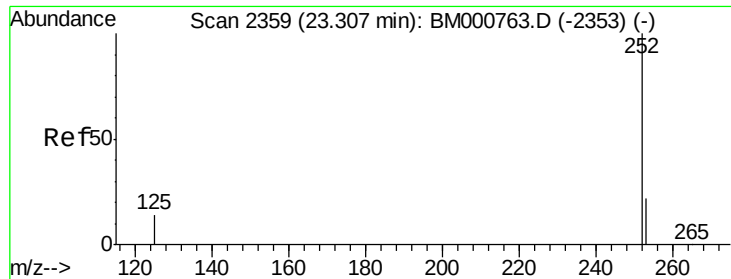
apatel
4/1/2015 6:18:08 PM



#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000779.D
Acq: 01 Apr 2015 08:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	17.9	26.9#
125	19.6	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000779.D

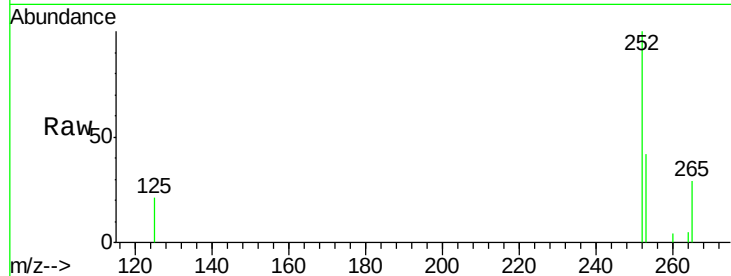
Acq: 01 Apr 2015 08:31

Instrument :

BNA_M

ClientSampleId :

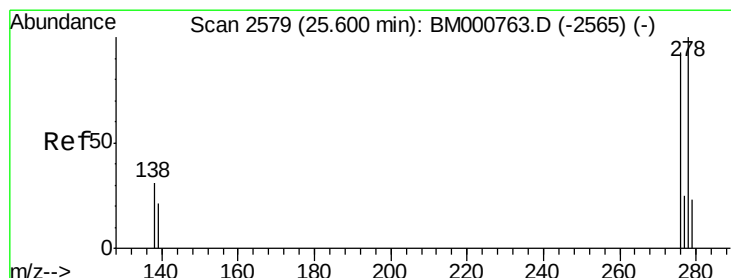
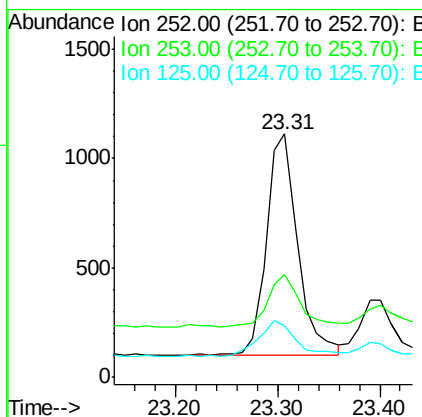
MDL-07-S



Tgt Ion:	252	Resp:	2135
Ion Ratio	Lower	Upper	
252	100		
253	42.2	19.4	29.2#
125	21.5	11.5	17.3#

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM



#29

Dibenzo(a,h)anthracene

Concen: 0.07 ng

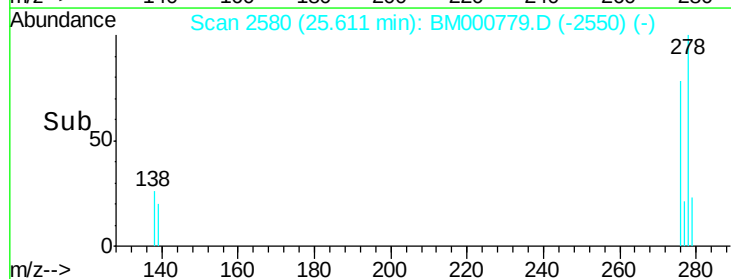
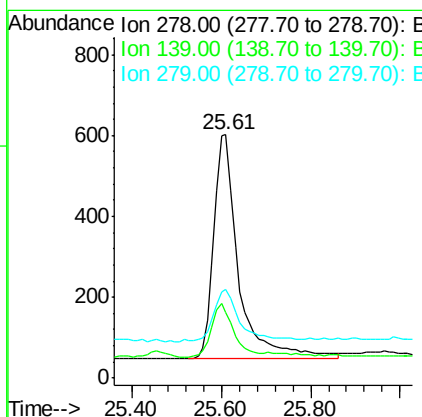
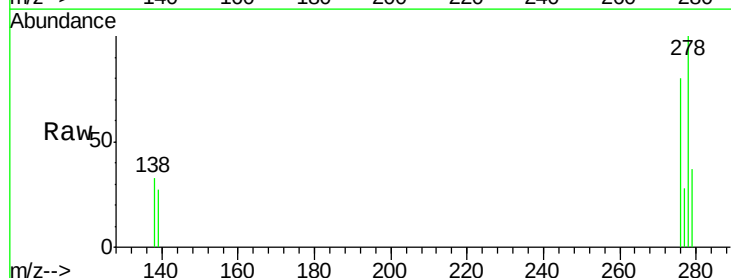
RT: 25.61 min Scan# 2580

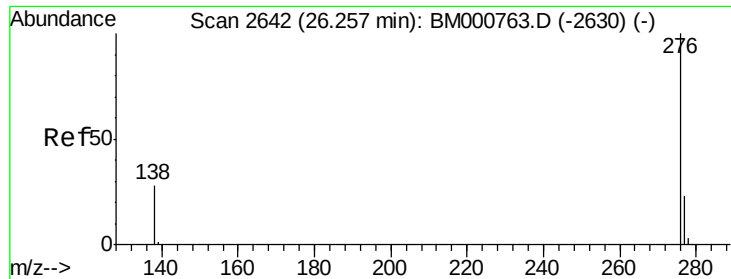
Delta R.T. 0.01 min

Lab File: BM000779.D

Acq: 01 Apr 2015 08:31

Tgt Ion:	278	Resp:	2095
Ion Ratio	Lower	Upper	
278	100		
139	27.2	17.8	26.6#
279	36.5	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: BM000779.D

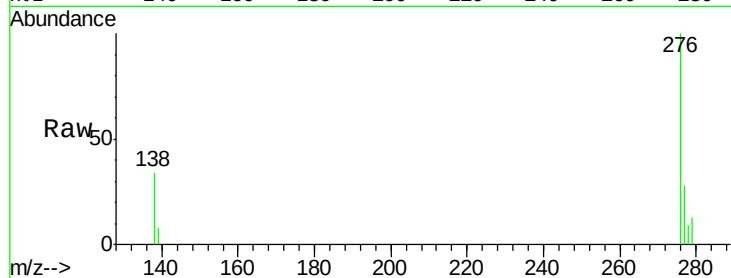
Acq: 01 Apr 2015 08:31

Instrument :

BNA_M

ClientSampleId :

MDL-07-S



Tgt	Ion	276	Resp:	2434
Ion	Ratio	Lower	Upper	
276	100			
277	28.4	19.1	28.7	
138	33.6	23.1	34.7	

Manual Integrations
APPROVED

apatel
4/1/2015 6:18:08 PM

