

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000772.D
 Acq On : 01 Apr 2015 02:35
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-0.1/0.2PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

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Quant Time: Apr 01 15:20:03 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	37135	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	125864	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	60900	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128990	5.00	ng	0.00
19) Chrysene-d12	21.21	240	110460	5.00	ng	0.00
25) Perylene-d12	23.40	264	102790	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.77	82	60037	7.78	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	180761	9.57	ng	0.00
21) Terphenyl-d14	19.66	244	139525	10.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.45	128	2256	0.08	ng	# 92
7) 2-Methylnaphthalene	12.08	142	1328	0.07	ng	96
10) Acenaphthylene	13.98	152	1761	0.07	ng	98
11) Acenaphthene	14.33	154	1368	0.07	ng	98
12) Fluorene	15.32	166	1568	0.08	ng	99
14) Hexachlorobenzene	16.33	284	604	0.08	ng	# 99
16) Phenanthrene	17.05	178	2818m	0.08	ng	99
17) Anthracene	17.15	178	2309	0.08	ng	99
18) Fluoranthene	19.09	202	2698	0.08	ng	100
20) Pyrene	19.45	202	2772	0.08	ng	99
22) Benzo(a)anthracene	21.20	228	2664	0.08	ng	97
23) Chrysene	21.25	228	2974	0.09	ng	# 91
24) Indeno(1,2,3-cd)pyrene	25.59	276	2708	0.08	ng	98
26) Benzo(b)fluoranthene	22.74	252	2486	0.08	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2663	0.09	ng	# 76
28) Benzo(a)pyrene	23.31	252	2191	0.08	ng	# 72
29) Dibenzo(a,h)anthracene	25.60	278	2146	0.08	ng	# 79
30) Benzo(g,h,i)perylene	26.26	276	2484	0.08	ng	91

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

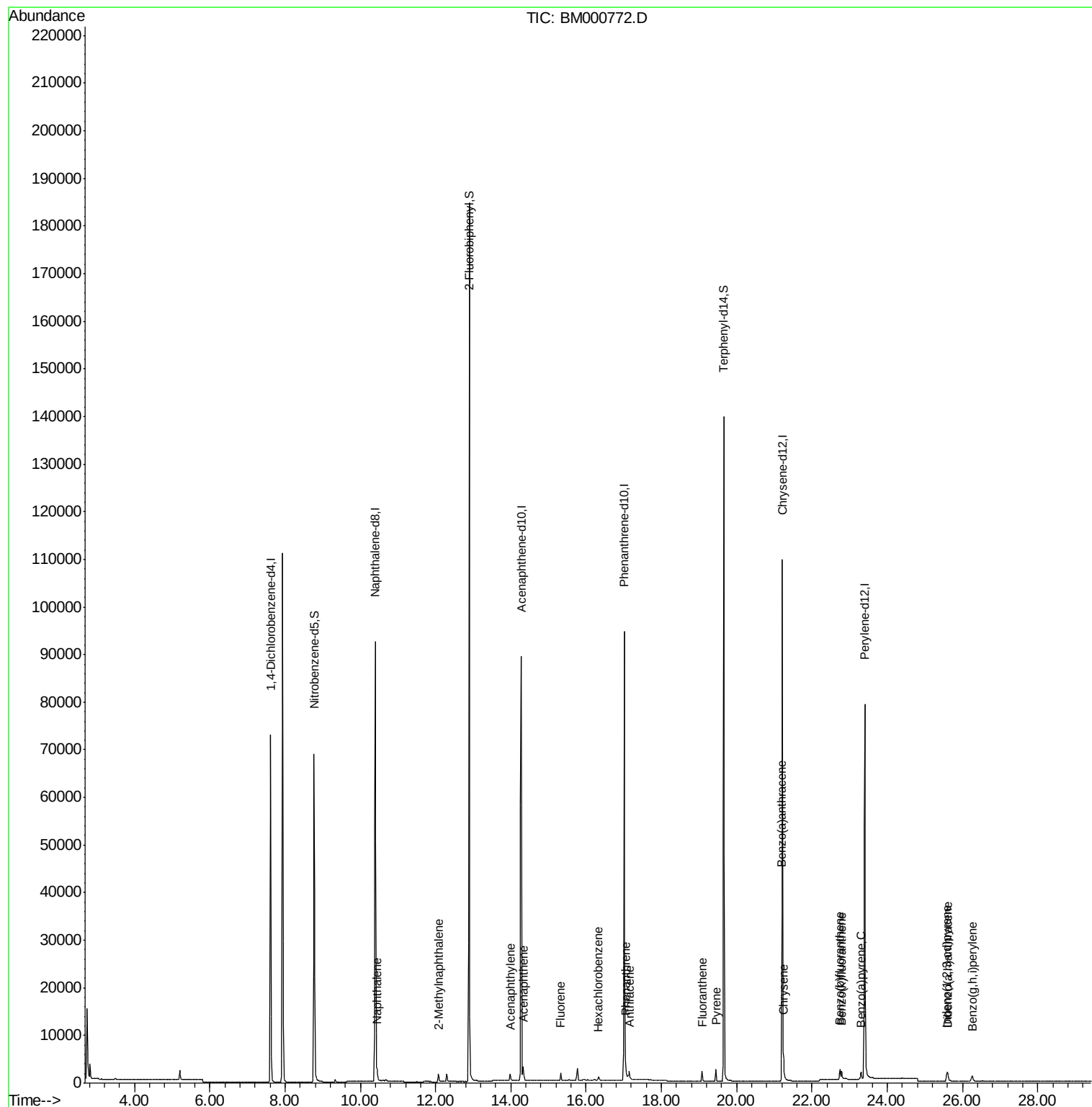
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000772.D
Acq On : 01 Apr 2015 02:35
Operator : TP/IZ
Sample : MDL-03-S
Misc : MDL-SOIL-0.1/0.2PPM
ALS Vial : 14 Sample Multiplier: 1

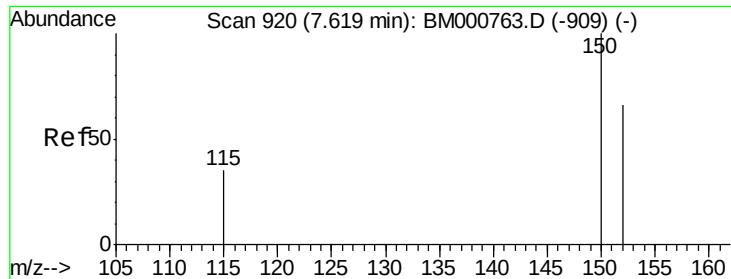
Instrument :
BNA_M
ClientSampleId :
MDL-03-S

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Quant Time: Apr 01 15:20:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BM000772.D

Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

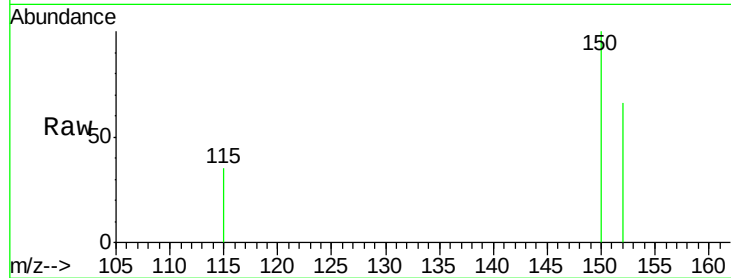
ClientSampleId :

MDL-03-S

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.0	120.8	181.2
115	53.4	42.7	64.1

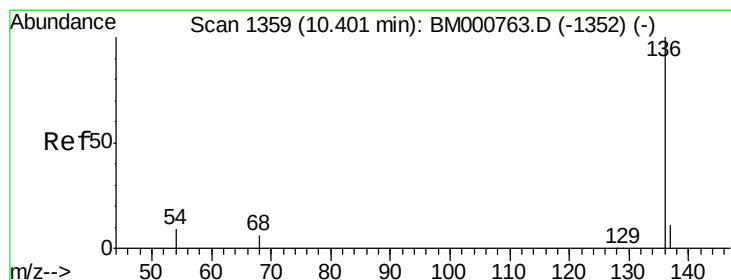
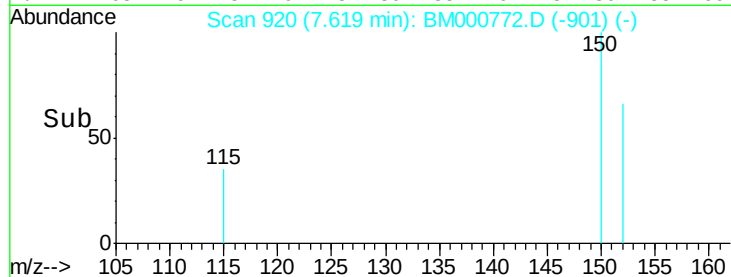
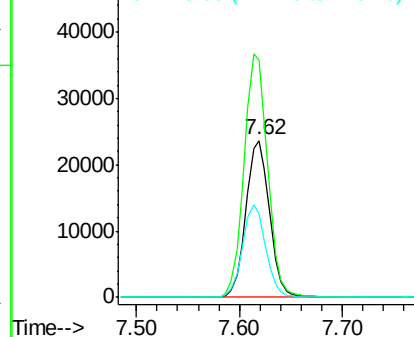


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

Naphthalene-d8

Concen: 5.00 ng

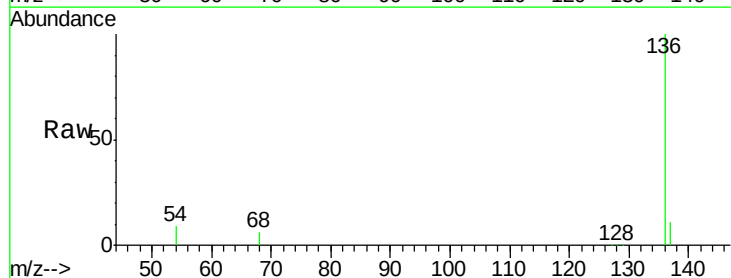
RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000772.D

Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.9	7.0	10.6

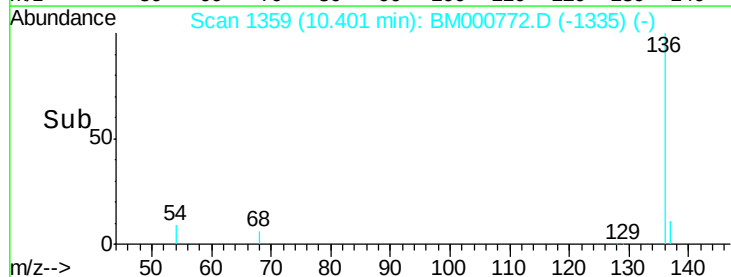
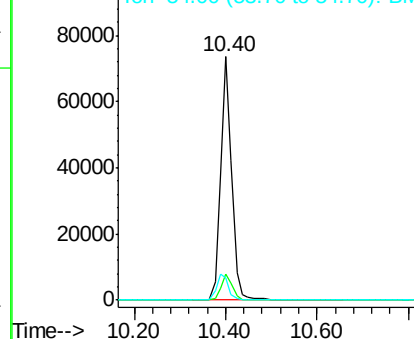


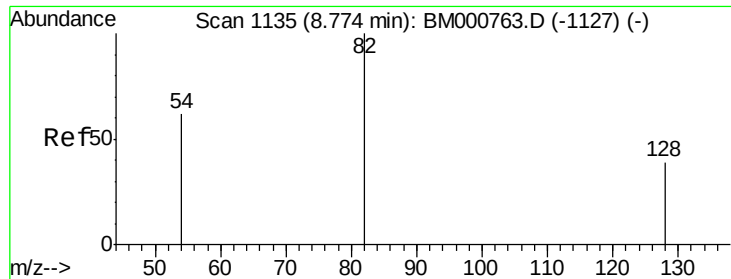
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM





#5

Nitrobenzene-d5

Concen: 7.78 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000772.D

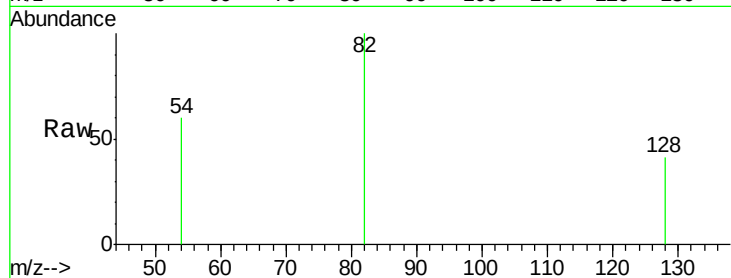
Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

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Tgt Ion: 82 Resp: 60037

Ion Ratio Lower Upper

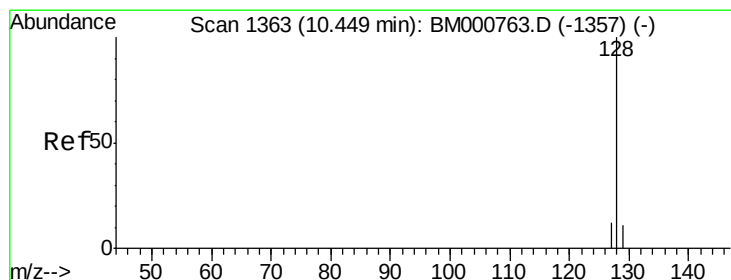
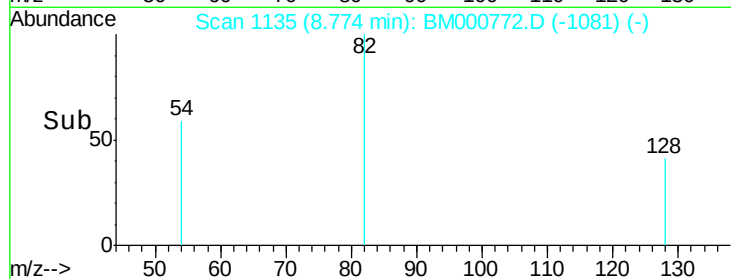
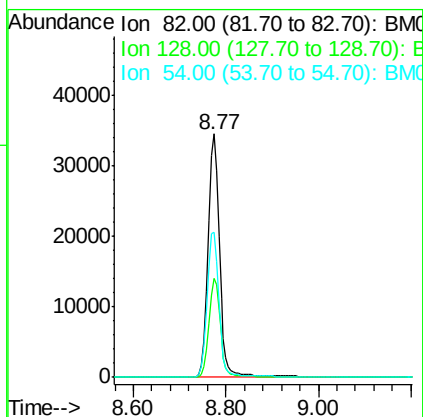
82 100

128 40.6 32.2 48.2

54 59.5 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: BM000772.D

Acq: 01 Apr 2015 02:35

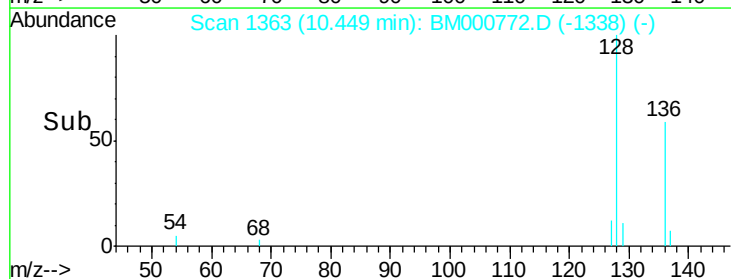
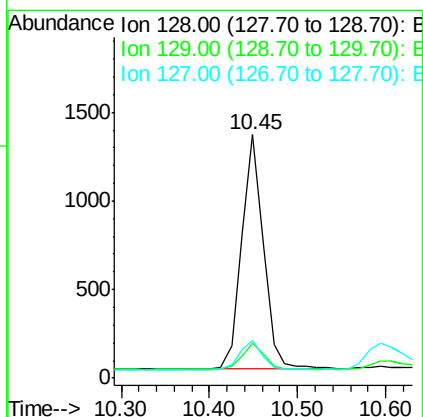
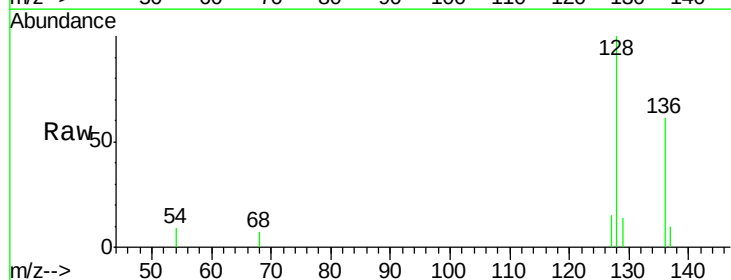
Tgt Ion: 128 Resp: 2256

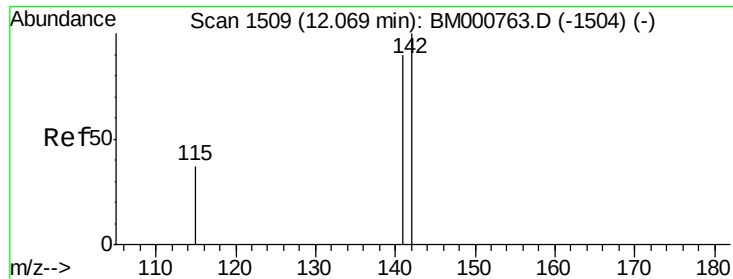
Ion Ratio Lower Upper

128 100

129 14.3 8.9 13.3#

127 15.3 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: BM000772.D

Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

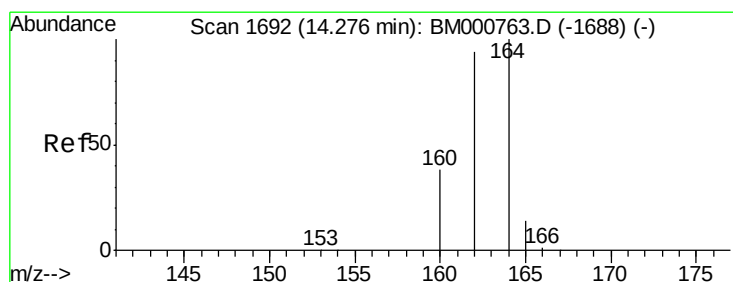
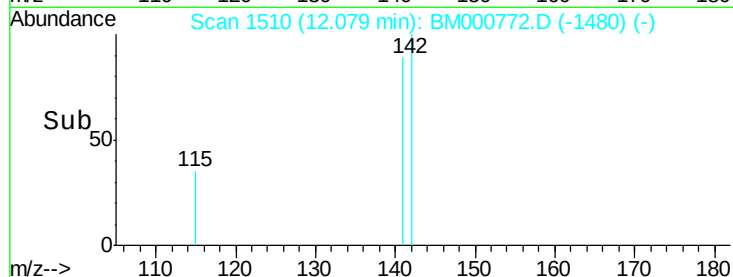
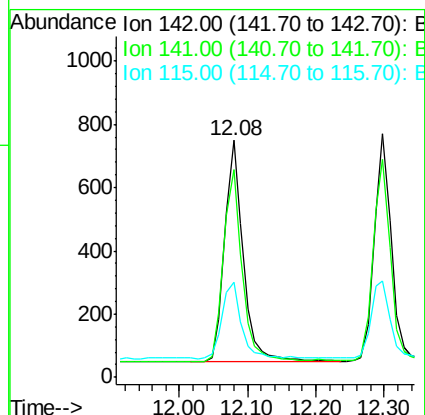
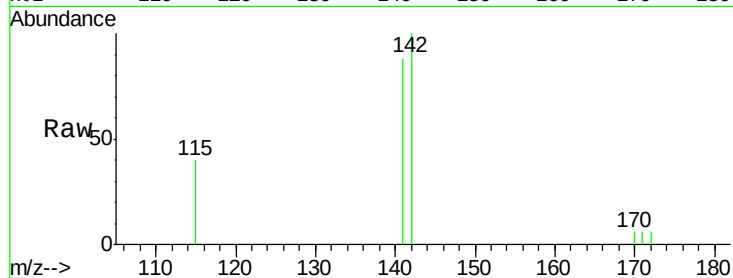
ClientSampleId :

MDL-03-S

Tgt Ion:	142	Resp:	1328
Ion Ratio	Lower	Upper	
142	100		
141	87.7	72.3	108.5
115	40.0	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

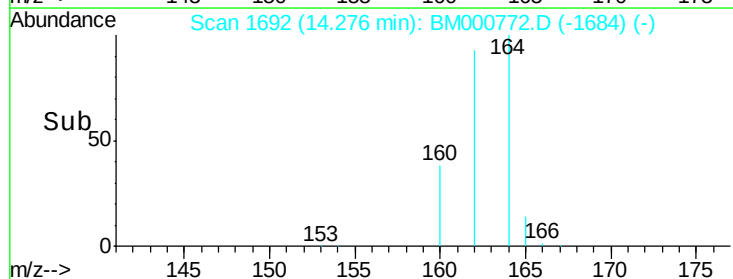
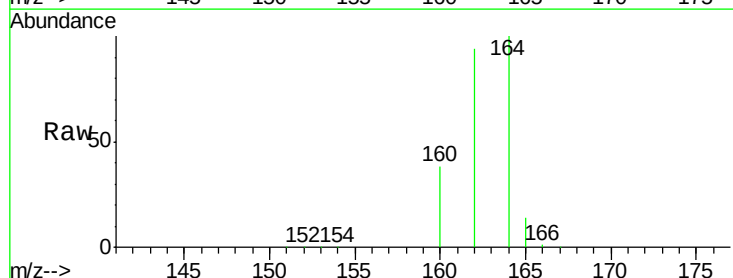
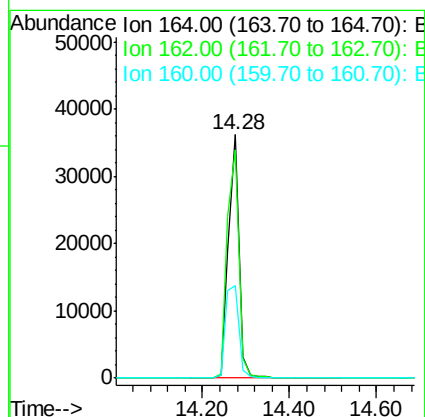
RT: 14.28 min Scan# 1692

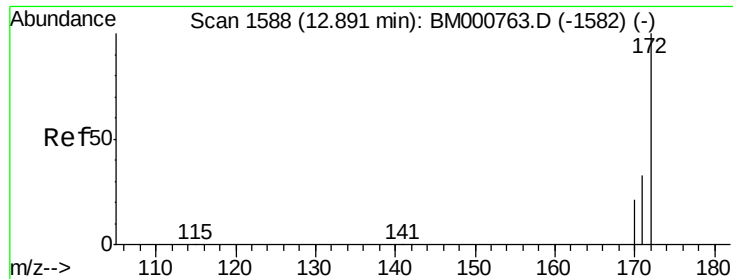
Delta R.T. 0.00 min

Lab File: BM000772.D

Acq: 01 Apr 2015 02:35

Tgt Ion:	164	Resp:	60900
Ion Ratio	Lower	Upper	
164	100		
162	93.5	75.4	113.2
160	38.1	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.57 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000772.D

Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

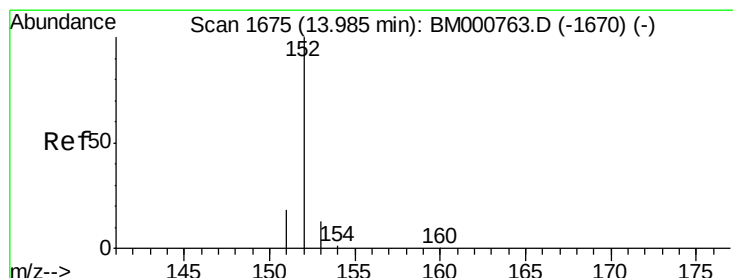
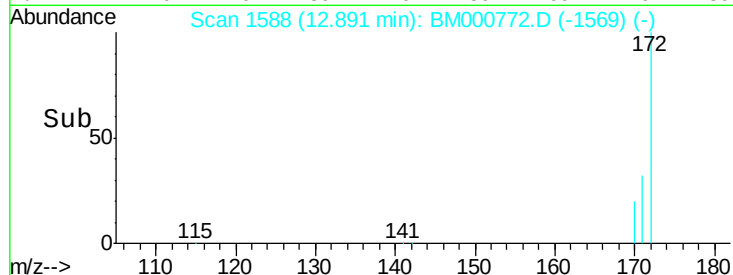
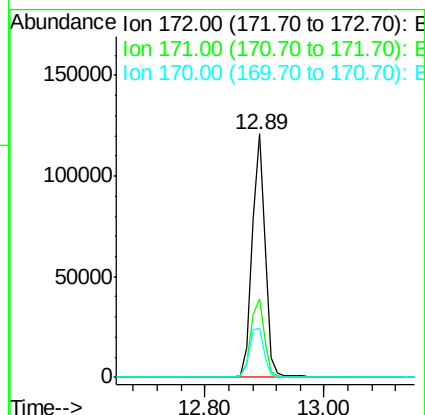
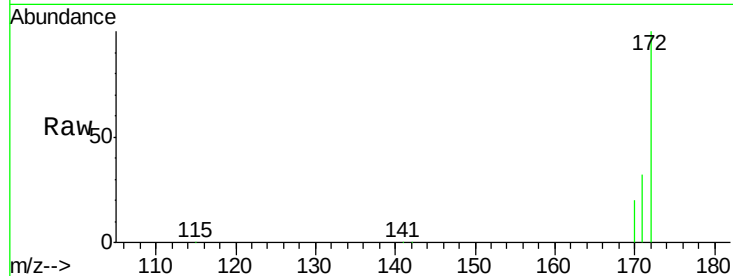
ClientSampleId :

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Tgt Ion:	172	Resp:	180761
Ion Ratio	Lower	Upper	
172	100		
171	32.3	26.6	39.8
170	20.1	17.1	25.7

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#10

Acenaphthylene

Concen: 0.07 ng

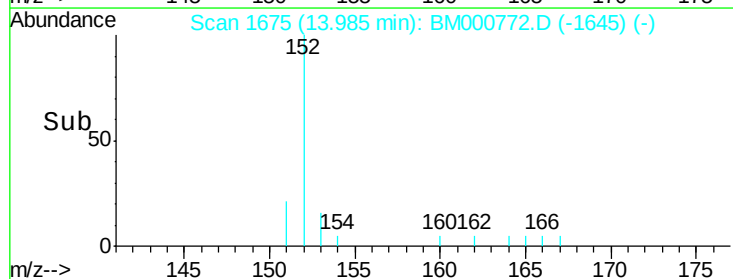
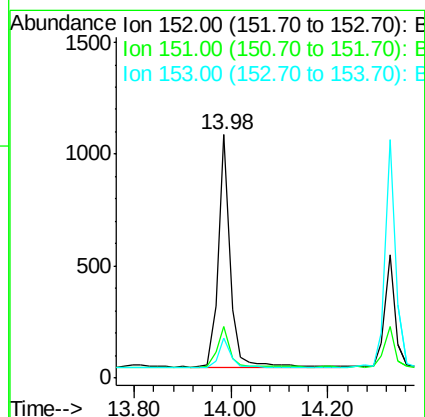
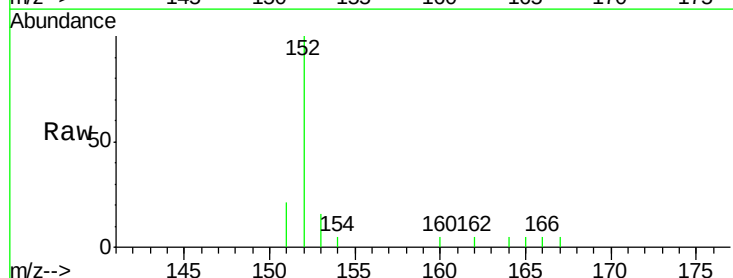
RT: 13.98 min Scan# 1675

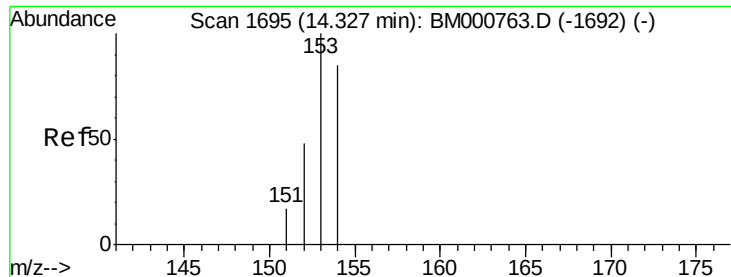
Delta R.T. 0.00 min

Lab File: BM000772.D

Acq: 01 Apr 2015 02:35

Tgt Ion:	152	Resp:	1761
Ion Ratio	Lower	Upper	
152	100		
151	17.6	15.1	22.7
153	12.7	10.2	15.4





#11

Acenaphthene

Concen: 0.07 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000772.D

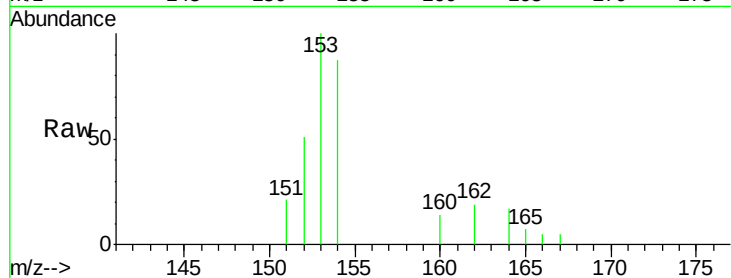
Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

ClientSampleId :

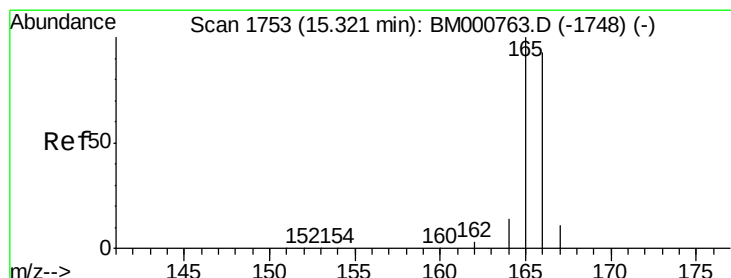
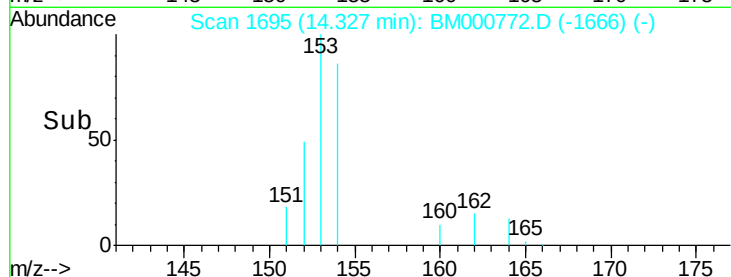
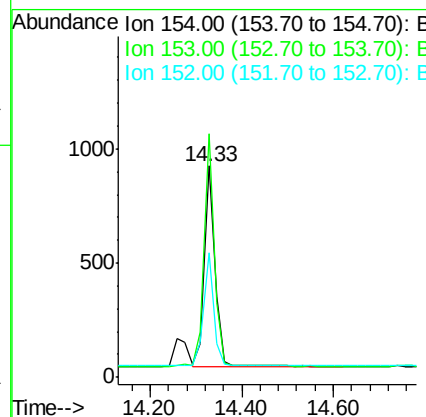
MDL-03-S



Tgt Ion:	154	Resp:	1368
Ion Ratio	Lower	Upper	
154	100		
153	111.8	87.3	130.9
152	54.4	43.0	64.6

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#12

Fluorene

Concen: 0.08 ng

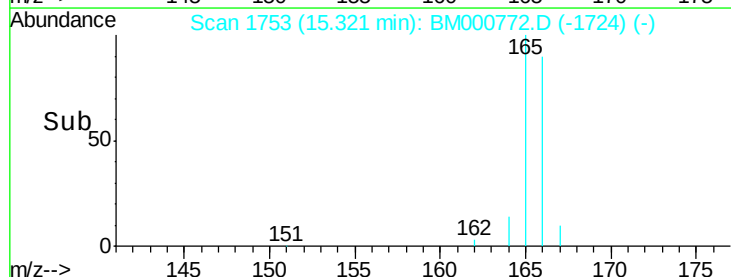
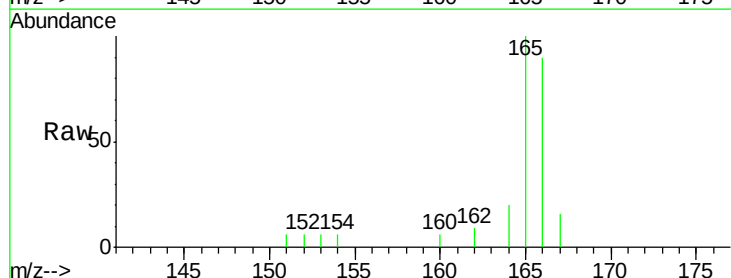
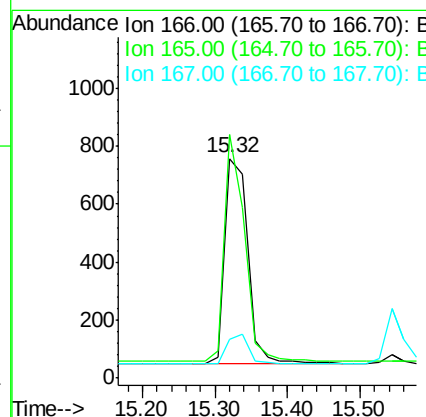
RT: 15.32 min Scan# 1753

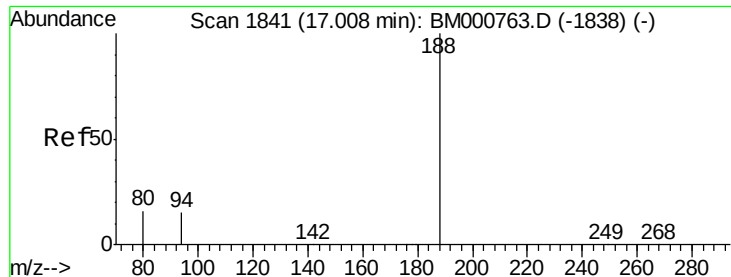
Delta R.T. 0.00 min

Lab File: BM000772.D

Acq: 01 Apr 2015 02:35

Tgt Ion:	166	Resp:	1568
Ion Ratio	Lower	Upper	
166	100		
165	96.6	78.2	117.2
167	14.0	10.7	16.1





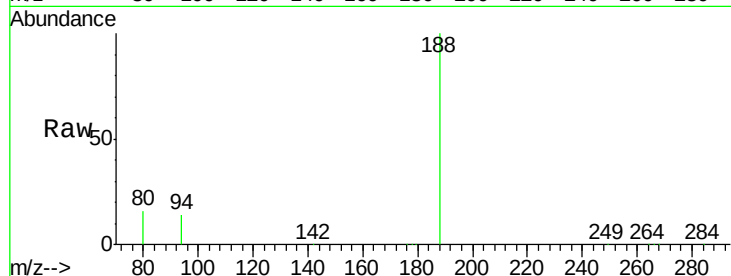
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Instrument :
BNA_M
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MDL-03-S

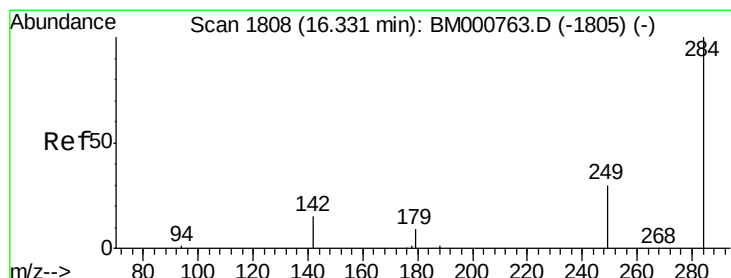
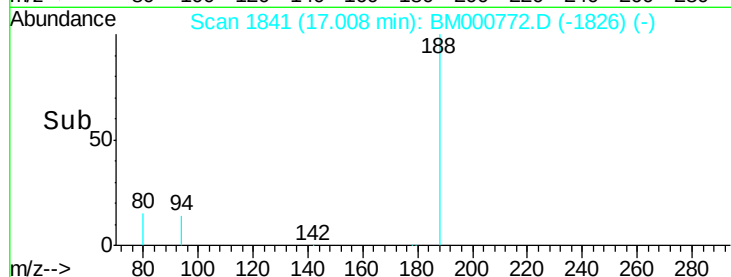
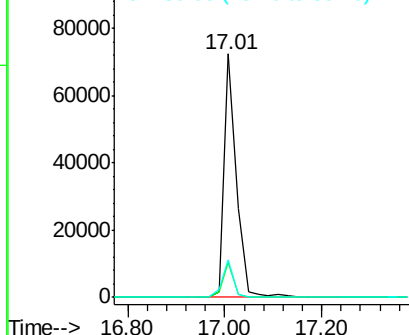
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	128990		
94	14.4	12.0	18.0	
80	15.5	12.8	19.2	

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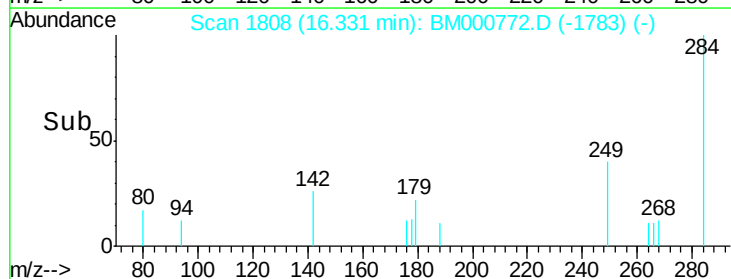
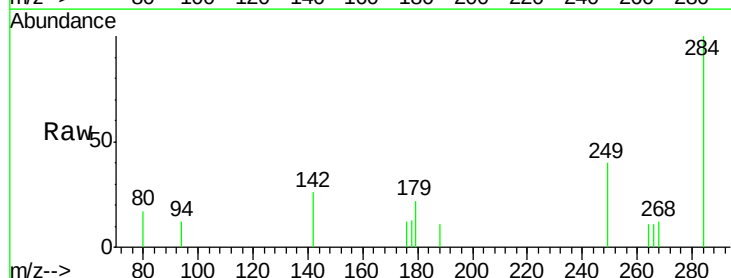
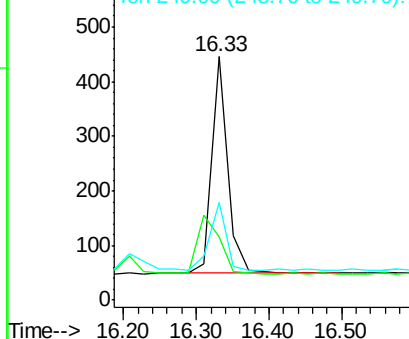
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

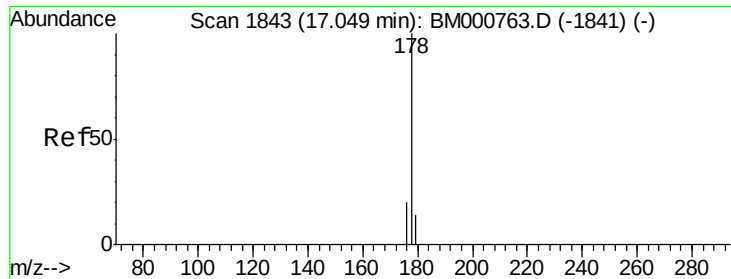


#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	604		
142	0.0	0.0	0.0	
249	31.0	25.2	37.8	

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





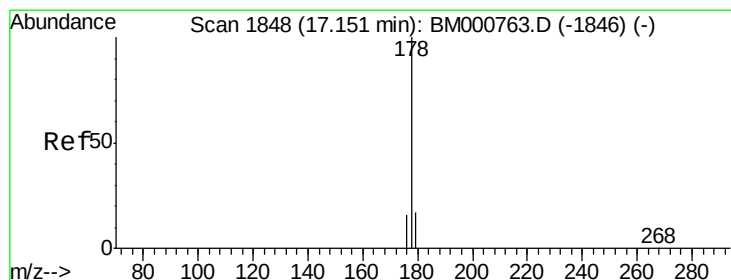
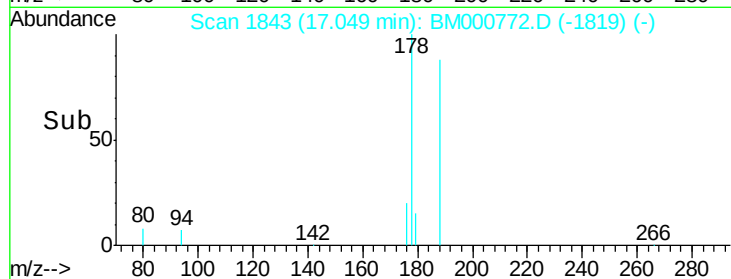
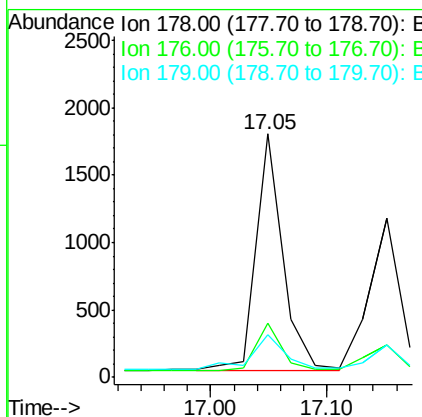
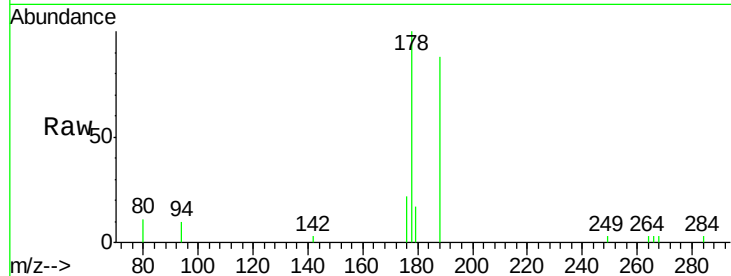
#16
Phenanthrene
Concen: 0.08 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

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BNA_M
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	14.6	15.3	22.9#
179	12.3	12.2	18.2

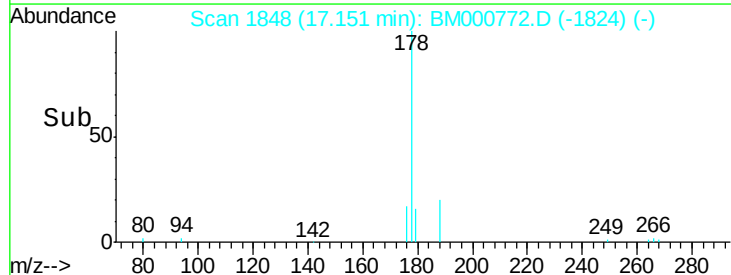
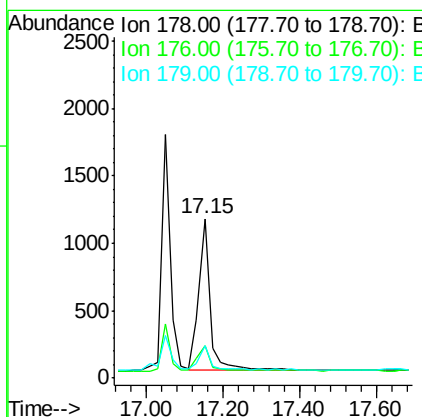
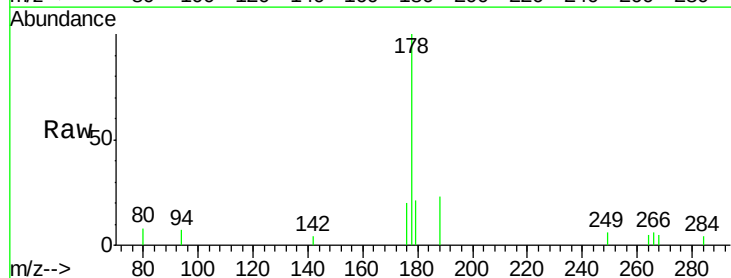
Manual Integrations
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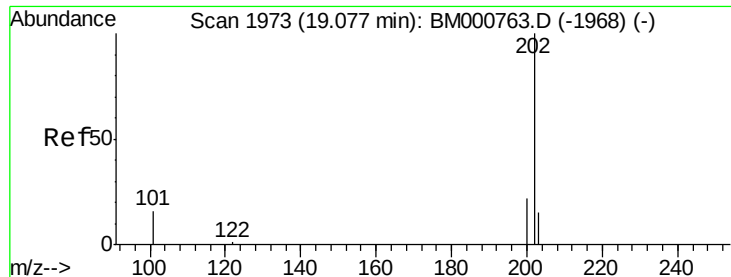
apatel
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#17
Anthracene
Concen: 0.08 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	15.0	12.2	18.4





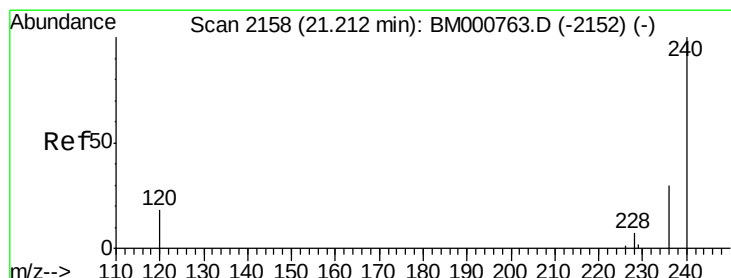
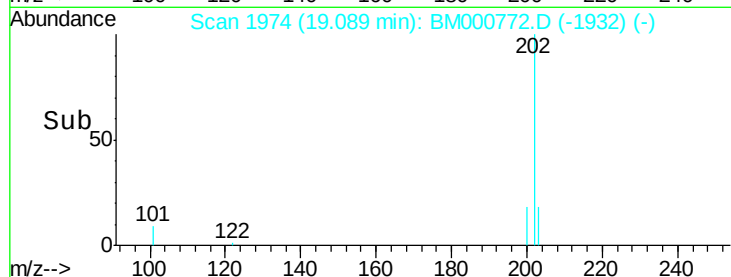
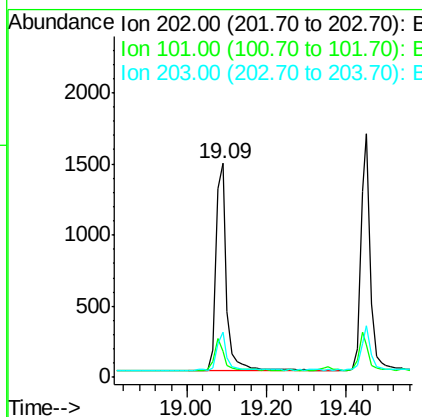
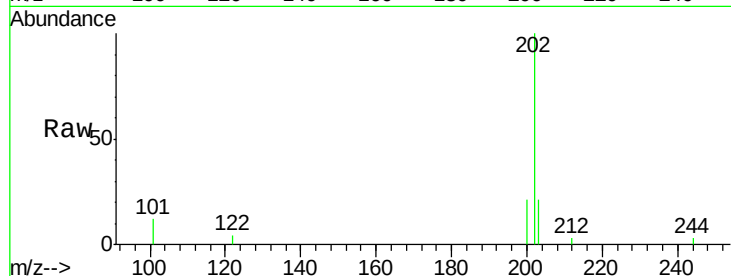
#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000772.D
 Acq: 01 Apr 2015 02:35

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
203	17.2	13.8	20.8

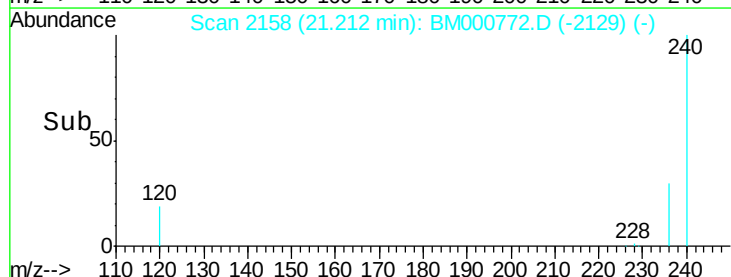
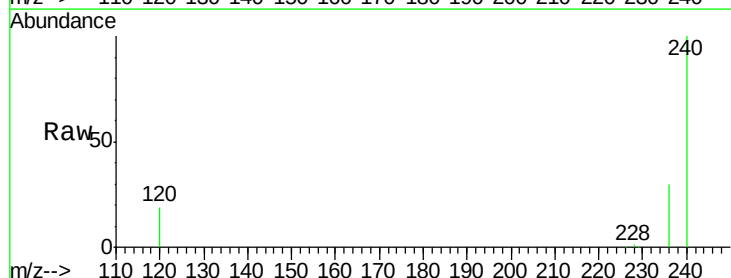
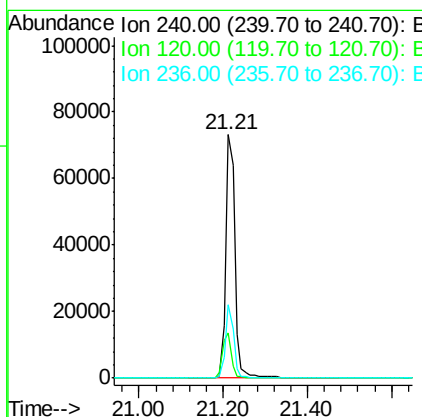
Manual Integrations
 APPROVED

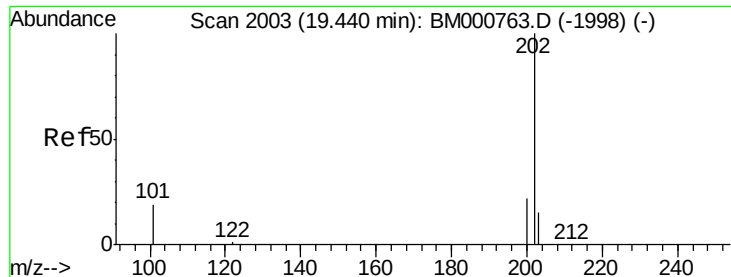
apatel
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000772.D
 Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.7	14.9	22.3
236	30.1	24.2	36.4





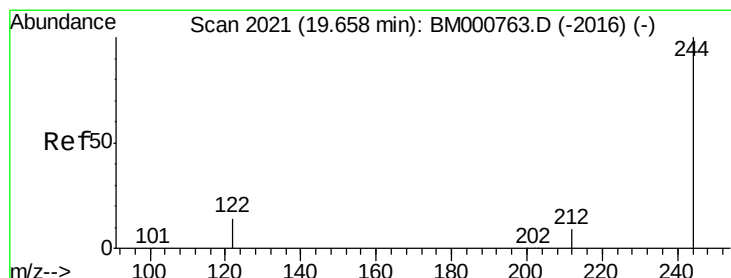
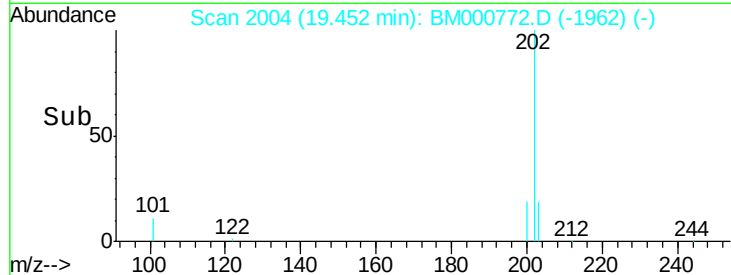
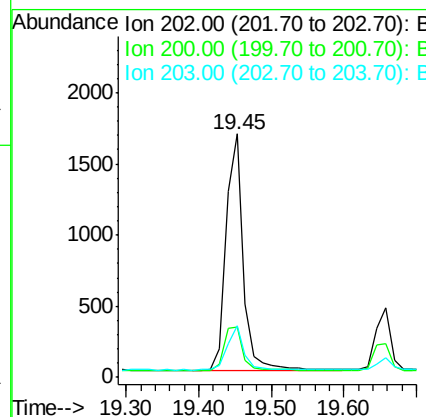
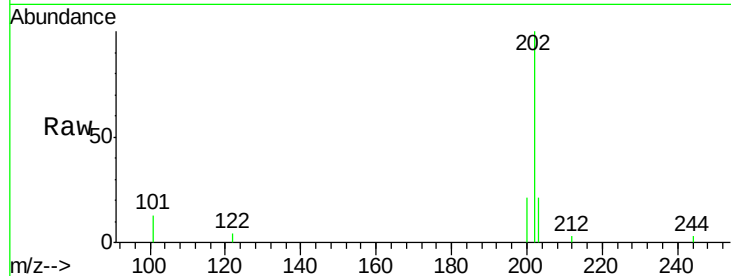
#20
Pyrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Instrument :
BNA_M
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2772		
200	20.7	16.2	24.2	
203	18.0	13.9	20.9	

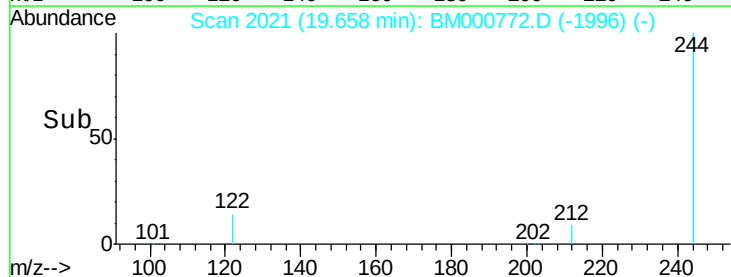
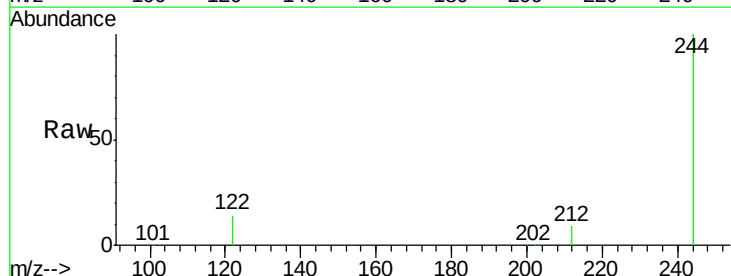
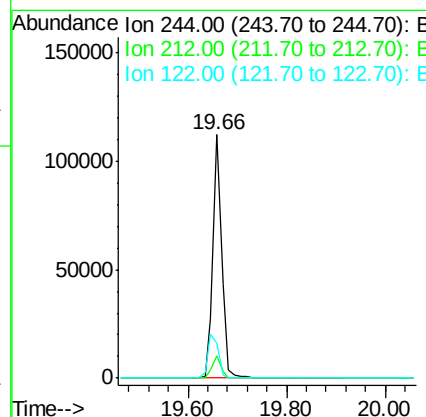
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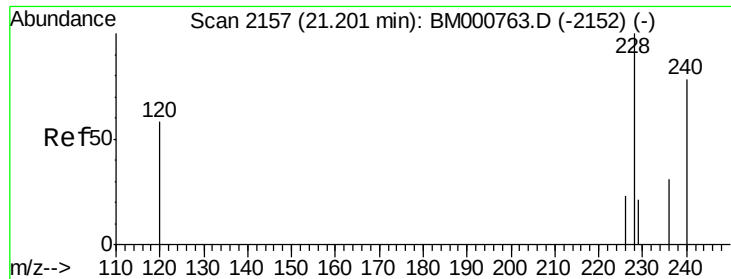
apatel
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#21
Terphenyl-d14
Concen: 10.50 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	139525		
212	9.3	7.8	11.6	
122	14.4	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: BM000772.D

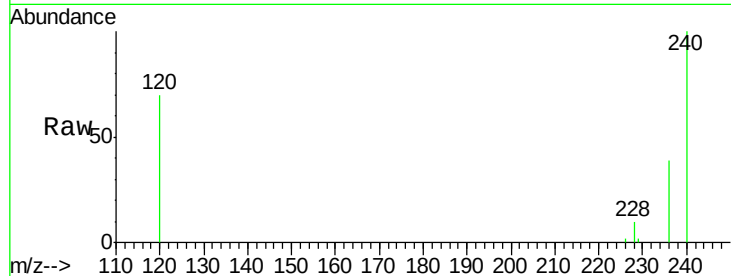
Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

ClientSampleId :

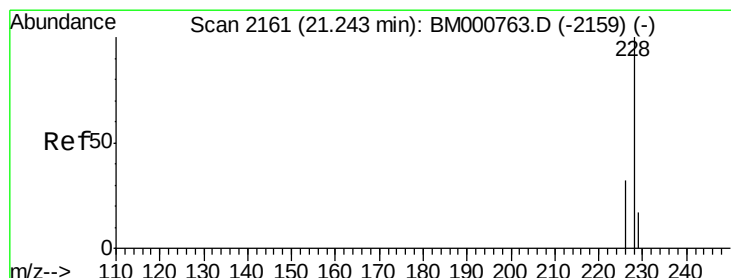
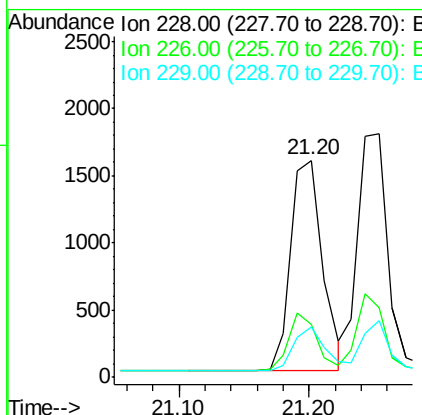
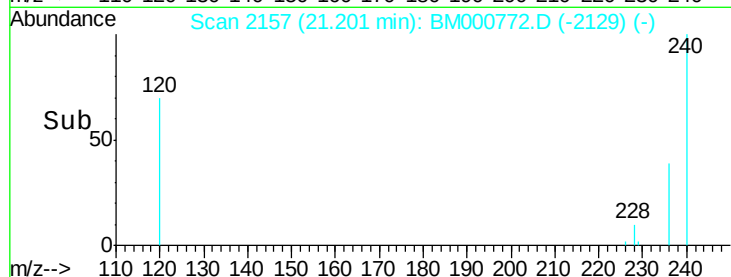
MDL-03-S



Tgt Ion:	228	Resp:	2664
Ion Ratio	Lower	Upper	
228	100		
226	24.5	18.6	27.8
229	23.3	17.2	25.8

Manual Integrations
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#23

Chrysene

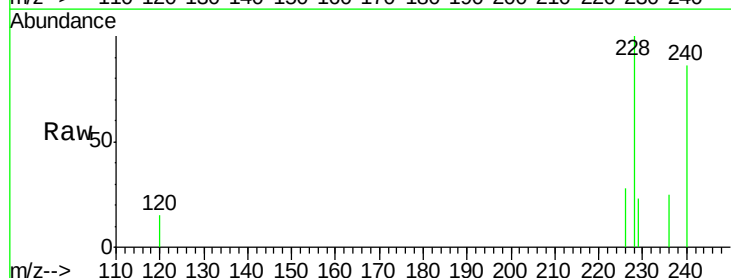
Concen: 0.09 ng

RT: 21.25 min Scan# 2162

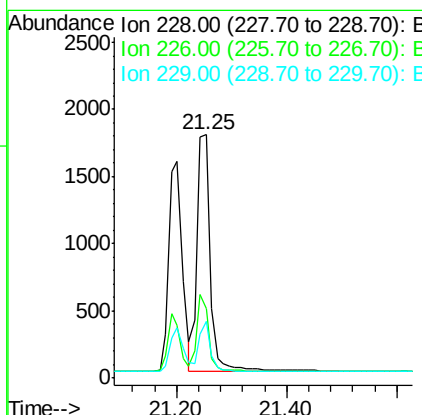
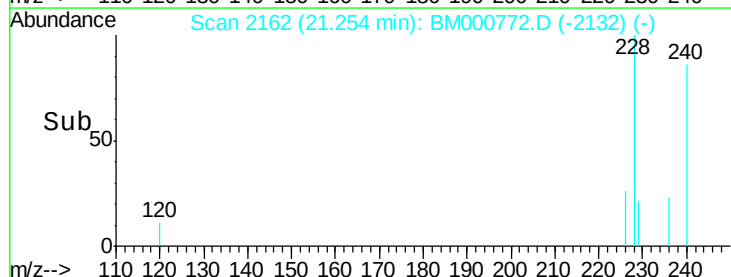
Delta R.T. 0.01 min

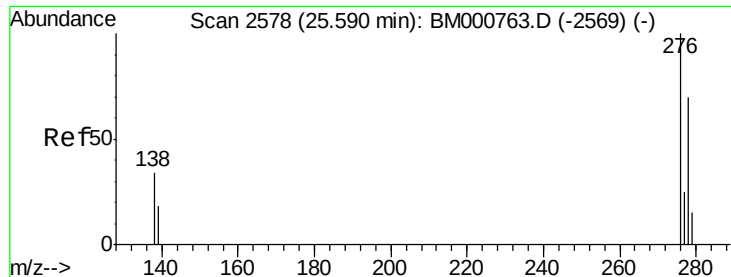
Lab File: BM000772.D

Acq: 01 Apr 2015 02:35



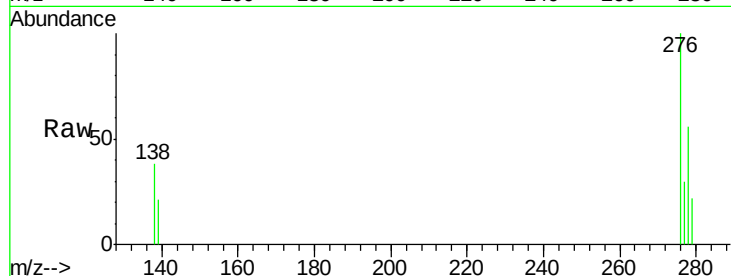
Tgt Ion:	228	Resp:	2974
Ion Ratio	Lower	Upper	
228	100		
226	28.4	25.8	38.8
229	23.3	13.8	20.6#





#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: BM000772.D
 Acq: 01 Apr 2015 02:35

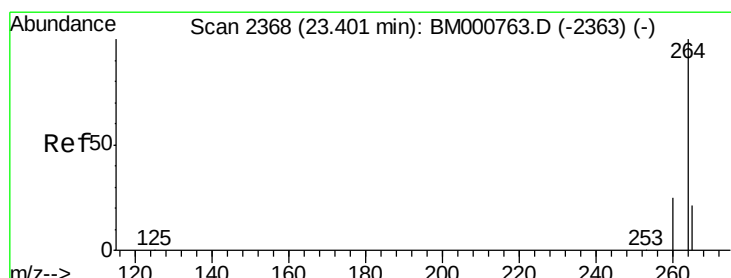
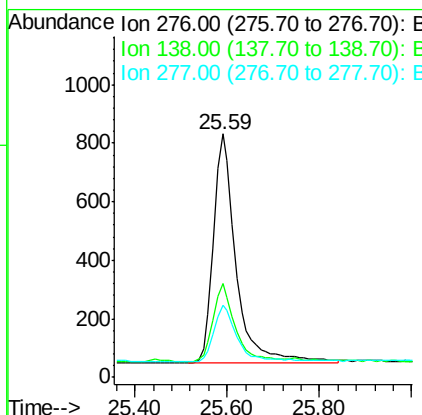
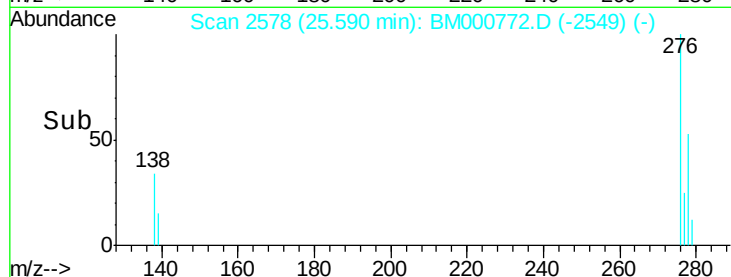
Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S



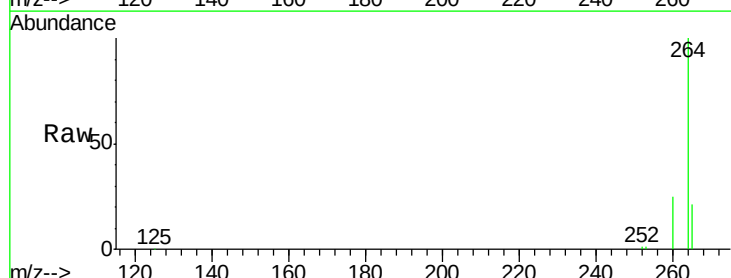
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.8	27.4	41.2
277	24.8	19.7	29.5

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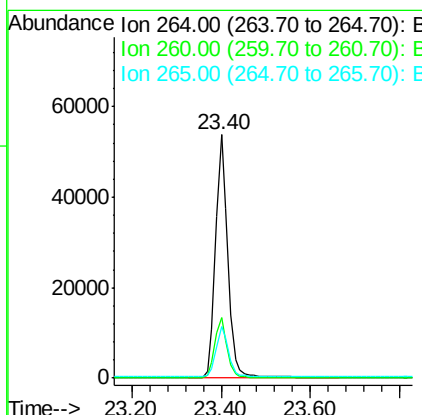
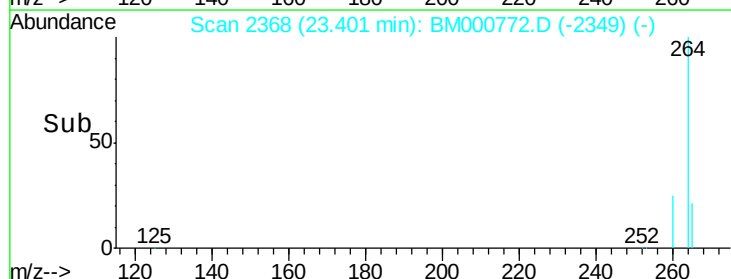
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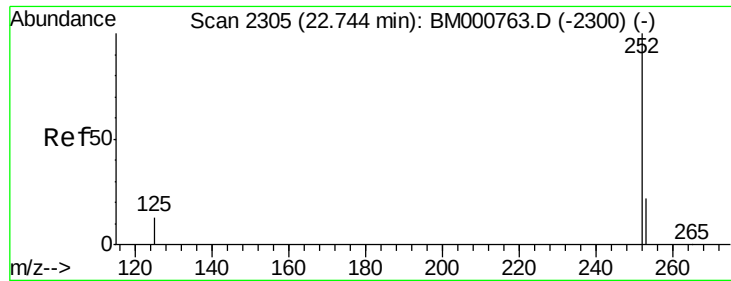


#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: BM000772.D
 Acq: 01 Apr 2015 02:35



Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	21.2	17.4	26.0





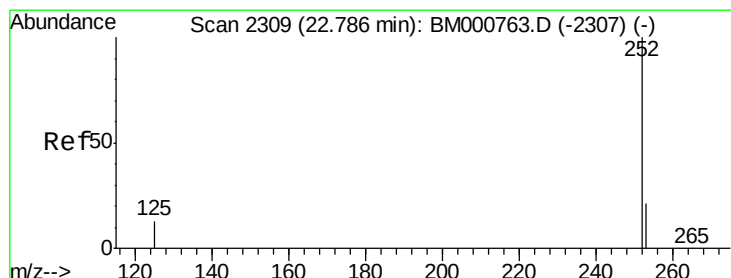
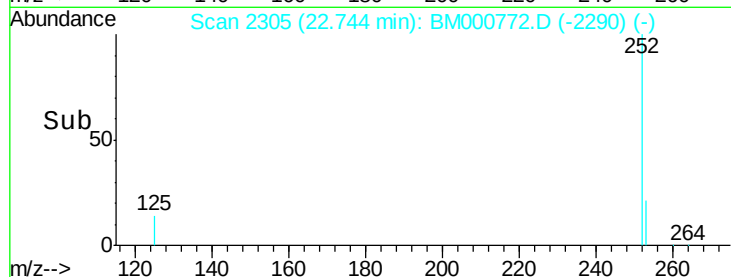
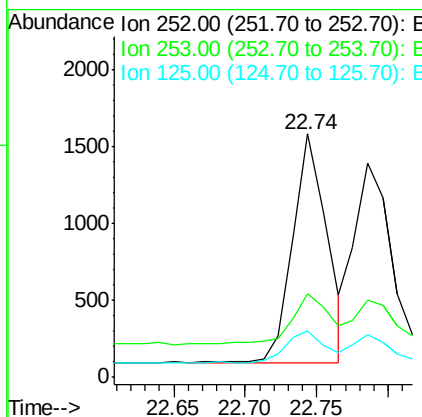
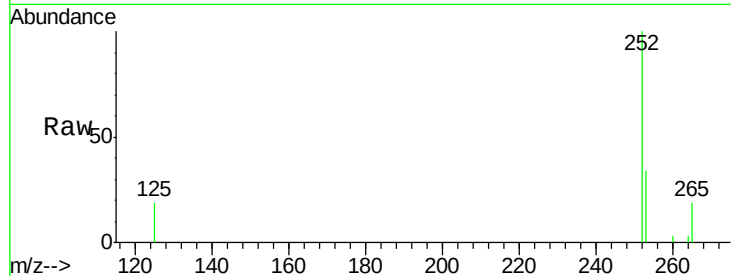
#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Instrument :
BNA_M
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	18.5	27.7#
125	19.2	10.6	16.0#

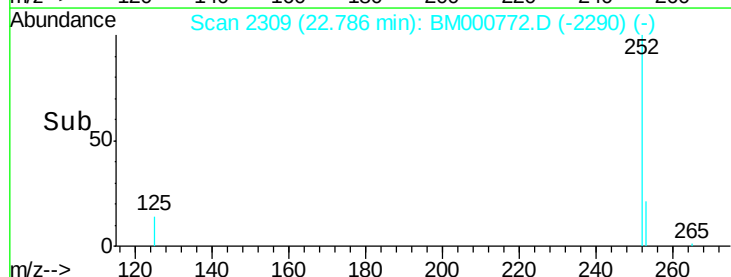
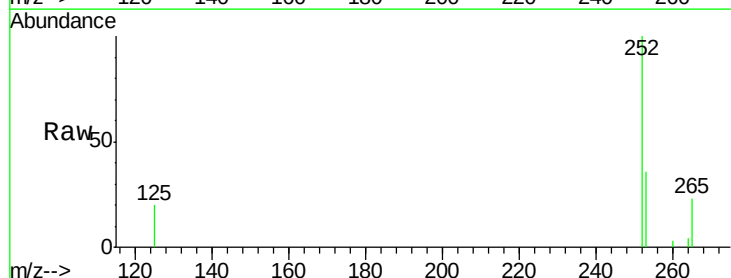
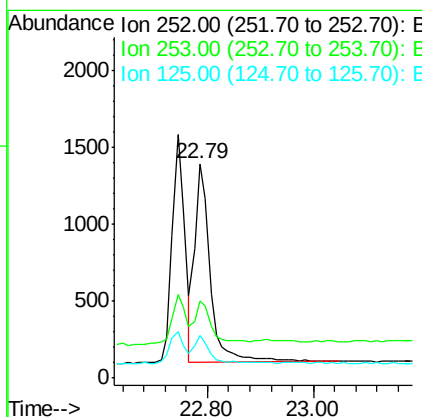
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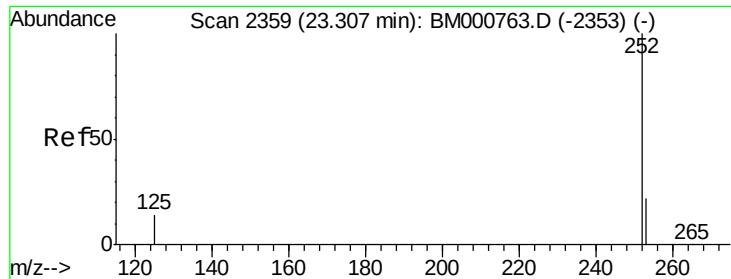
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#27
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000772.D
Acq: 01 Apr 2015 02:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.1	17.9	26.9#
125	19.7	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.08 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000772.D

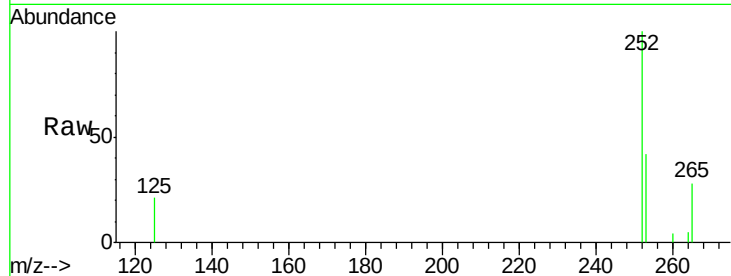
Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

ClientSampleId :

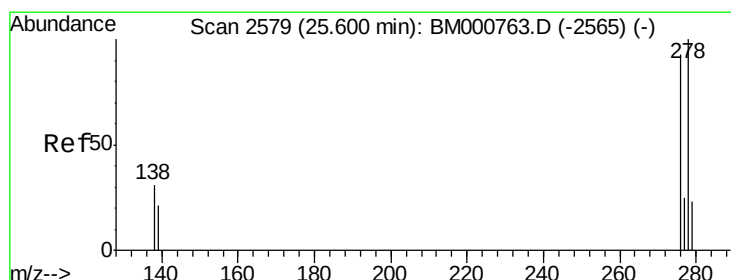
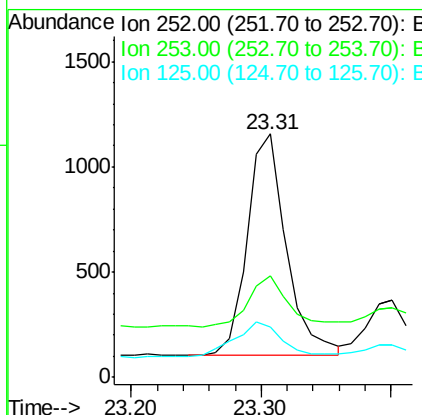
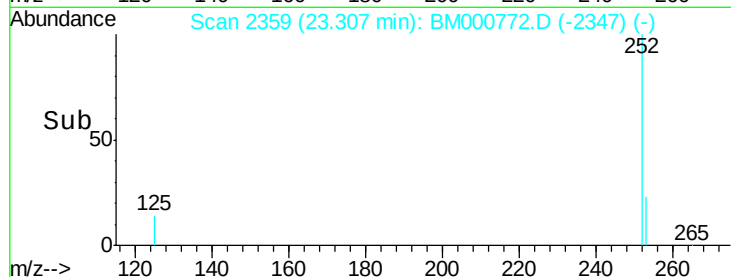
MDL-03-S



Tgt Ion:	252	Resp:	2191
Ion Ratio	Lower	Upper	
252	100		
253	41.7	19.4	29.2#
125	20.9	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

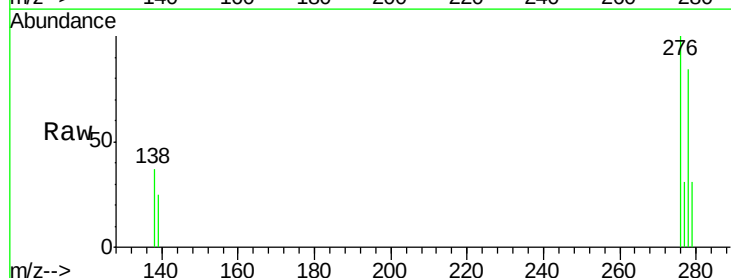
Concen: 0.08 ng

RT: 25.60 min Scan# 2579

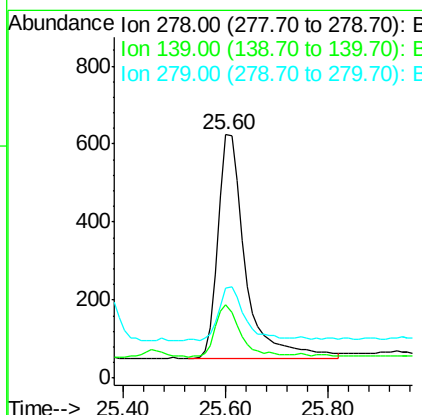
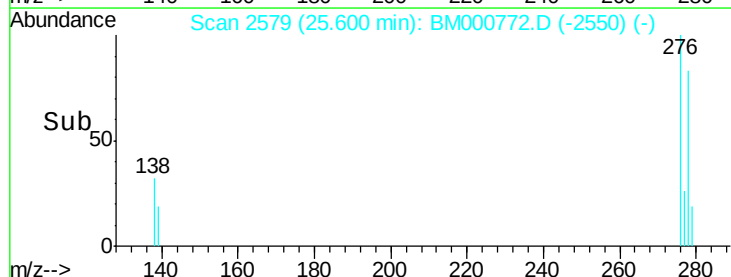
Delta R.T. 0.00 min

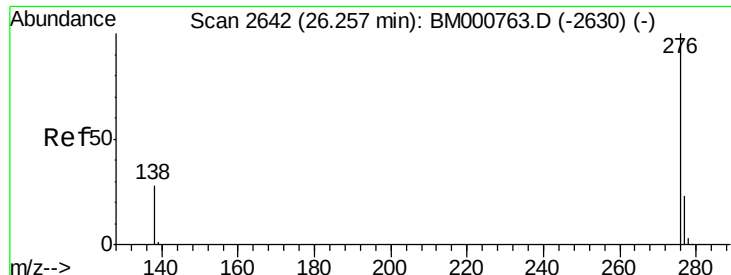
Lab File: BM000772.D

Acq: 01 Apr 2015 02:35



Tgt Ion:	278	Resp:	2146
Ion Ratio	Lower	Upper	
278	100		
139	30.0	17.8	26.6#
279	36.7	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: BM000772.D

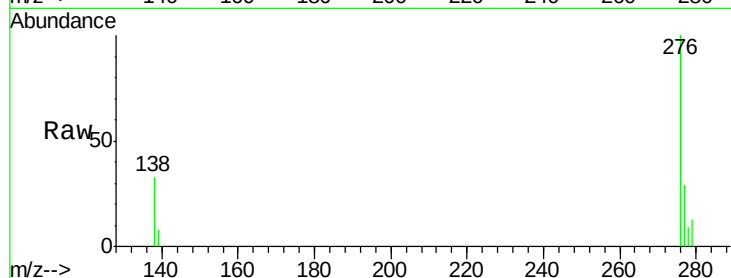
Acq: 01 Apr 2015 02:35

Instrument :

BNA_M

ClientSampleId :

MDL-03-S



Tgt Ion: 276 Resp: 2484

Ion Ratio Lower Upper

276 100

277 28.6 19.1 28.7

138 33.0 23.1 34.7

Manual Integrations

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