

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000770.D
 Acq On : 01 Apr 2015 01:24
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.1/0.2PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-S

Manual Integrations
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Quant Time: Apr 01 15:16:45 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	41400	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	139399	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	67147	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	144428	5.00	ng	0.00
19) Chrysene-d12	21.21	240	118235	5.00	ng	0.00
25) Perylene-d12	23.40	264	109025	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	69008	8.06	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	201972	9.70	ng	0.00
21) Terphenyl-d14	19.66	244	149449	10.50	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	2265	0.07	ng	# 92
7) 2-Methylnaphthalene	12.08	142	1335	0.07	ng	97
10) Acenaphthylene	13.99	152	1716	0.06	ng	99
11) Acenaphthene	14.33	154	1329	0.06	ng	98
12) Fluorene	15.34	166	1532	0.07	ng	99
14) Hexachlorobenzene	16.33	284	561	0.07	ng	# 97
16) Phenanthrene	17.05	178	2803m	0.07	ng	
17) Anthracene	17.15	178	2189	0.07	ng	98
18) Fluoranthene	19.08	202	2524	0.06	ng	100
20) Pyrene	19.44	202	2610	0.07	ng	99
22) Benzo(a)anthracene	21.19	228	2585	0.08	ng	# 92
23) Chrysene	21.24	228	2702	0.08	ng	97
24) Indeno(1,2,3-cd)pyrene	25.59	276	2545	0.07	ng	99
26) Benzo(b)fluoranthene	22.75	252	2363	0.07	ng	# 77
27) Benzo(k)fluoranthene	22.79	252	2389	0.07	ng	# 77
28) Benzo(a)pyrene	23.30	252	2038	0.07	ng	# 71
29) Dibenzo(a,h)anthracene	25.60	278	2034	0.07	ng	# 78
30) Benzo(g,h,i)perylene	26.26	276	2302	0.07	ng	91

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

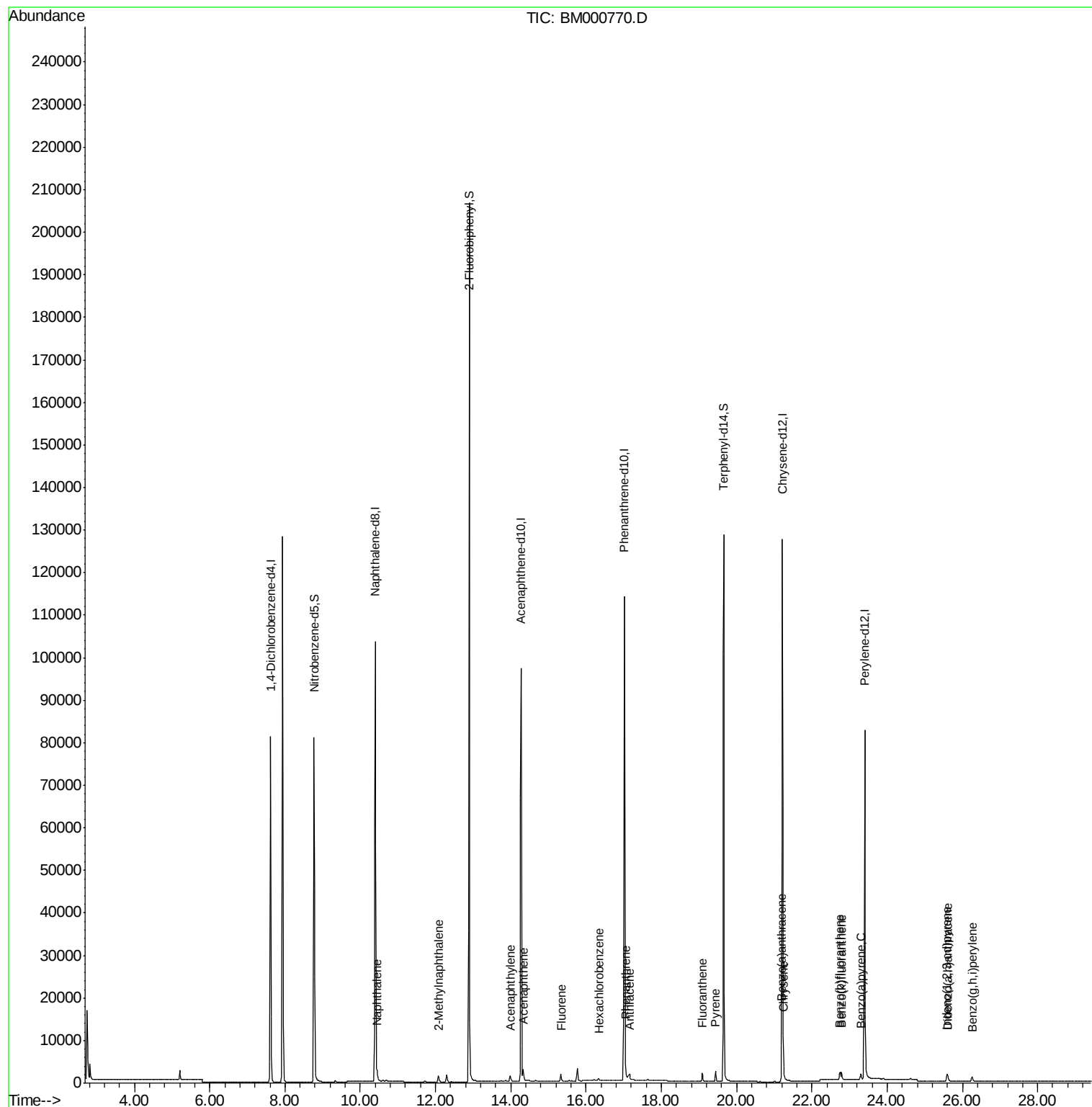
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000770.D
Acq On : 01 Apr 2015 01:24
Operator : TP/IZ
Sample : MDL-01-S
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QLast Update : Wed Apr 01 04:17:30 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000770.D

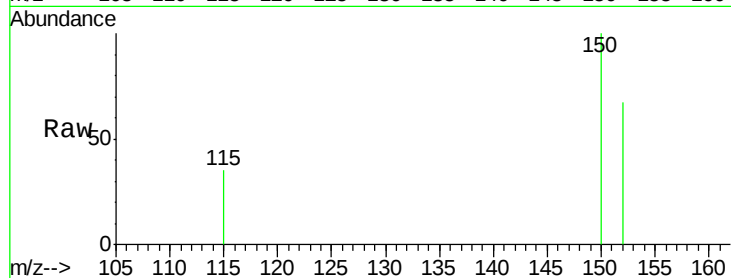
Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

ClientSampled :

MDL-01-S



Tgt Ion:152 Resp: 41400

Ion Ratio Lower Upper

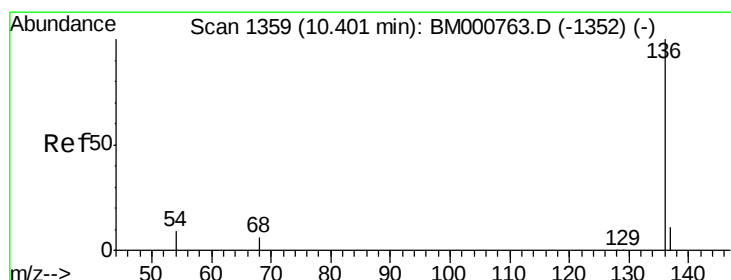
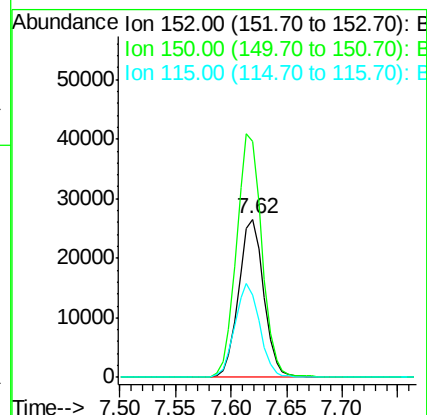
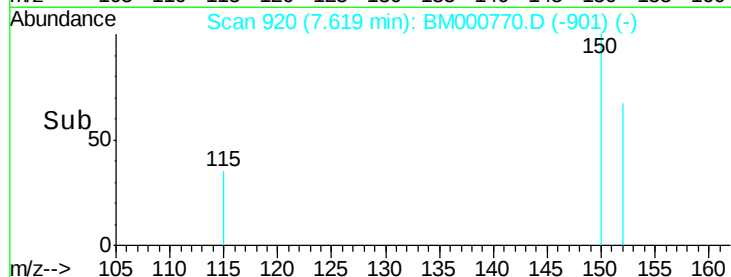
152 100

150 149.2 120.8 181.2

115 52.4 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: BM000770.D

Acq: 01 Apr 2015 01:24

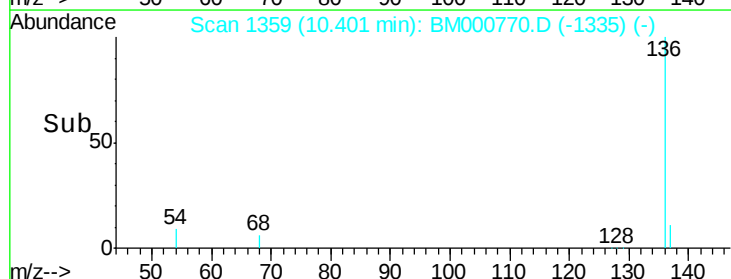
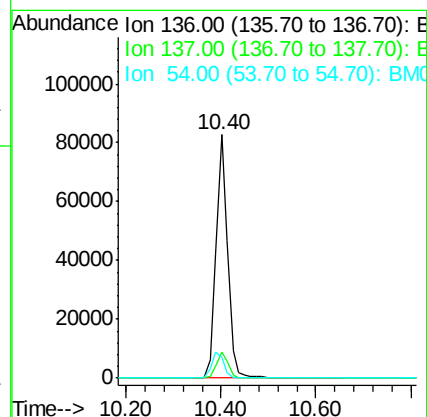
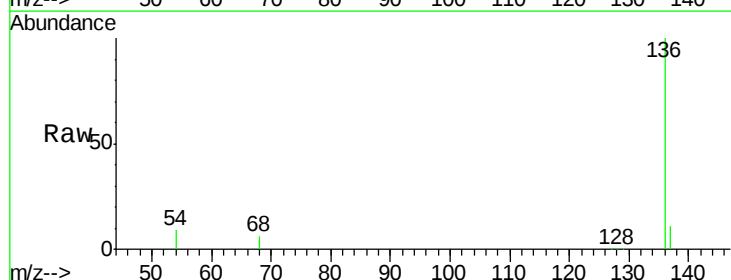
Tgt Ion:136 Resp: 139399

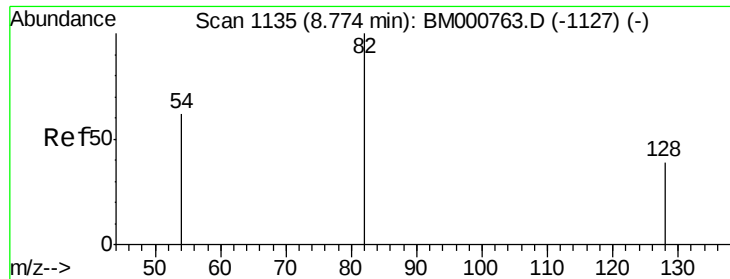
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 8.7 7.0 10.6





#5

Nitrobenzene-d5

Concen: 8.06 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000770.D

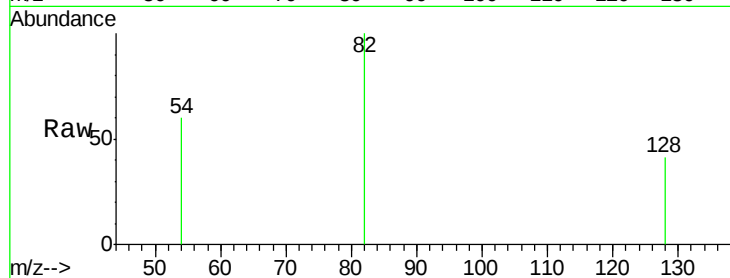
Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

ClientSampleId :

MDL-01-S



Tgt Ion: 82 Resp: 69008

Ion Ratio Lower Upper

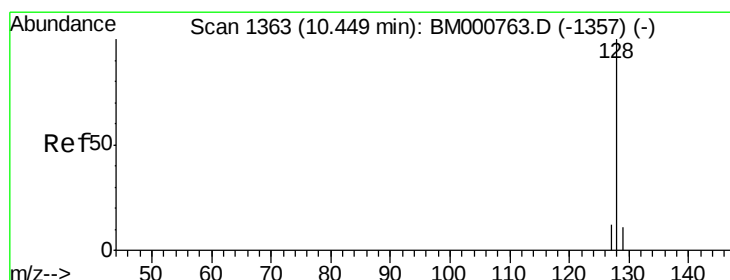
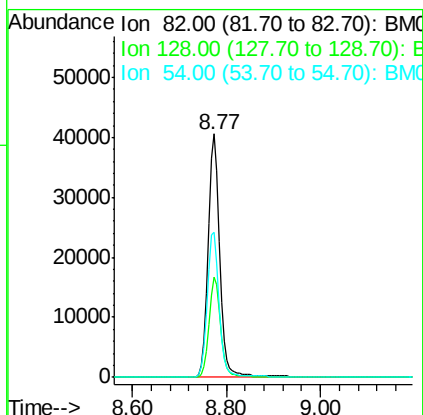
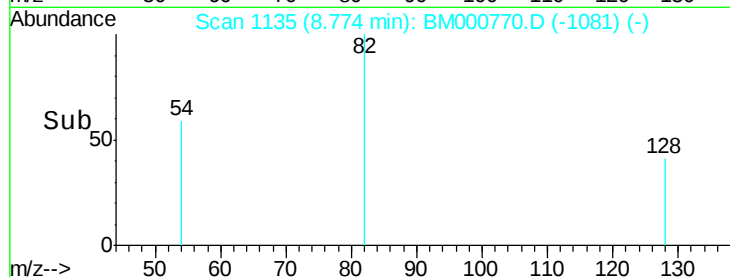
82 100

128 40.9 32.2 48.2

54 59.5 50.2 75.4

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#6

Naphthalene

Concen: 0.07 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000770.D

Acq: 01 Apr 2015 01:24

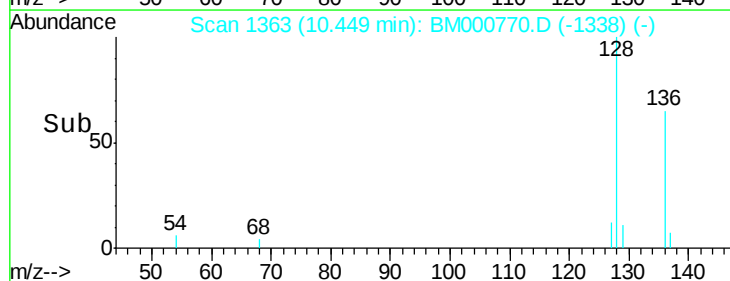
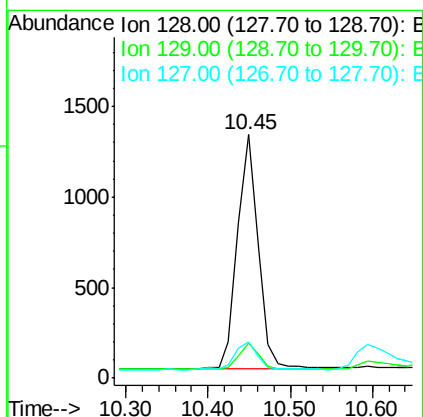
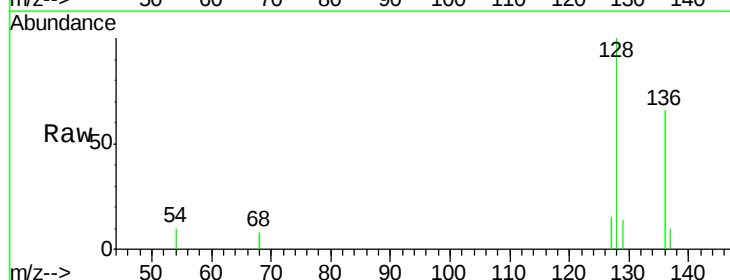
Tgt Ion: 128 Resp: 2265

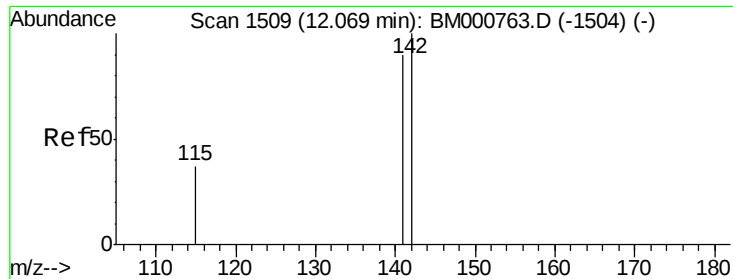
Ion Ratio Lower Upper

128 100

129 14.4 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: BM000770.D

Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

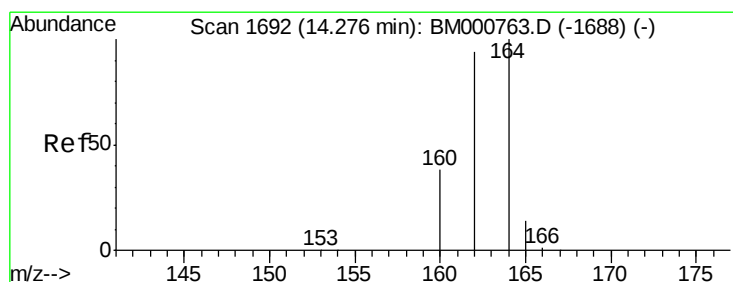
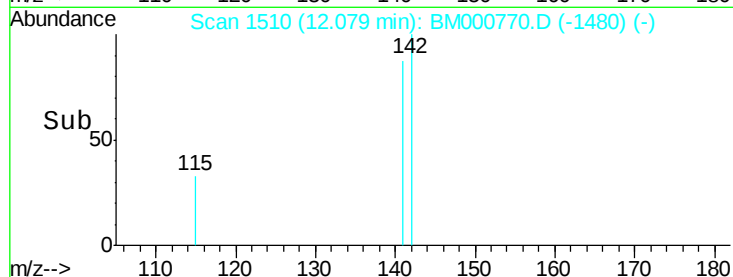
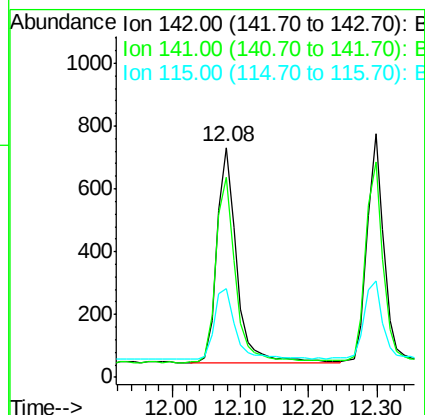
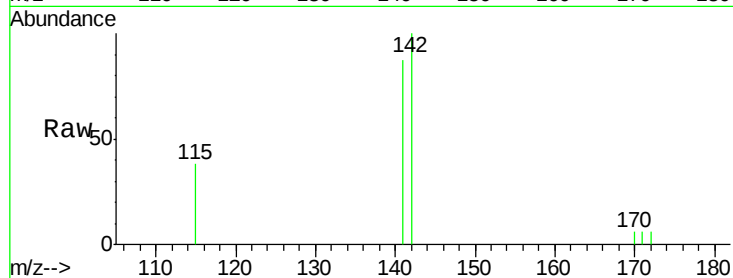
ClientSampleId :

MDL-01-S

Tgt Ion:	142	Resp:	1335
Ion Ratio	Lower	Upper	
142	100		
141	86.9	72.3	108.5
115	38.4	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

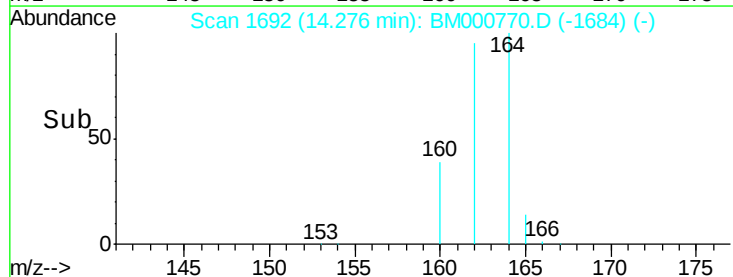
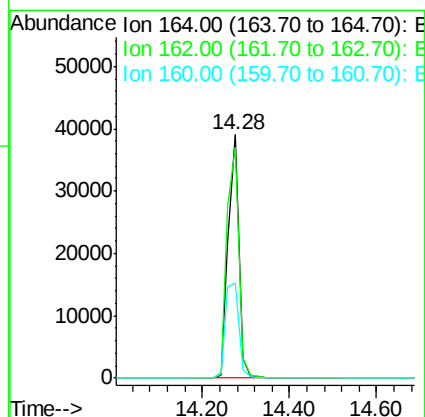
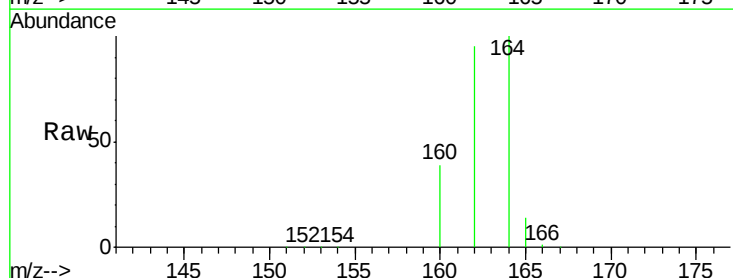
RT: 14.28 min Scan# 1692

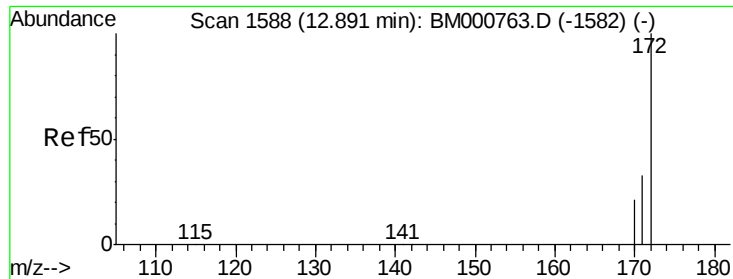
Delta R.T. 0.00 min

Lab File: BM000770.D

Acq: 01 Apr 2015 01:24

Tgt Ion:	164	Resp:	67147
Ion Ratio	Lower	Upper	
164	100		
162	95.0	75.4	113.2
160	39.0	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.70 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000770.D

Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

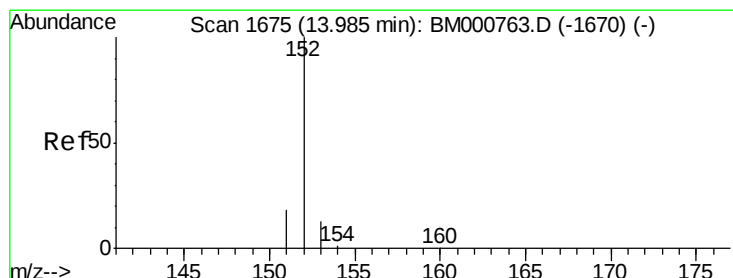
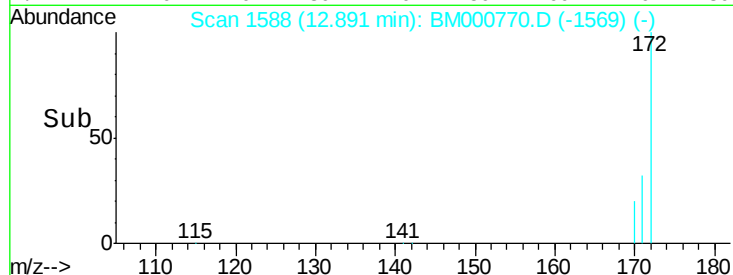
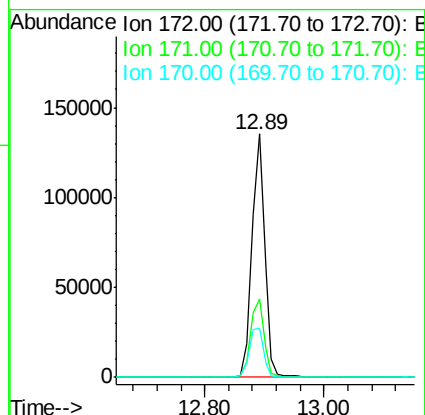
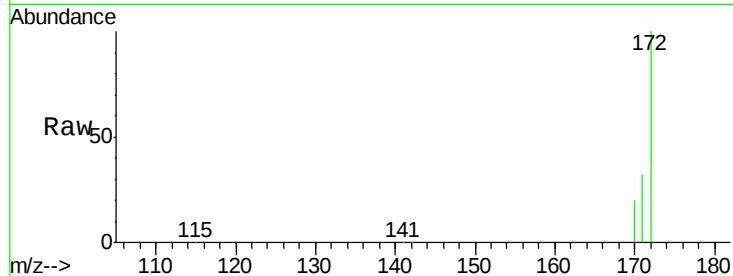
ClientSampleId :

MDL-01-S

Tgt Ion:	172	Resp:	201972
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: 0.06 ng

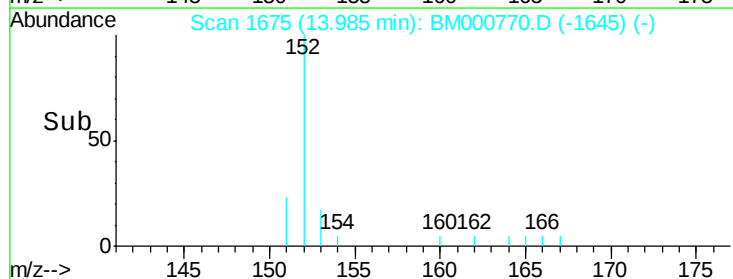
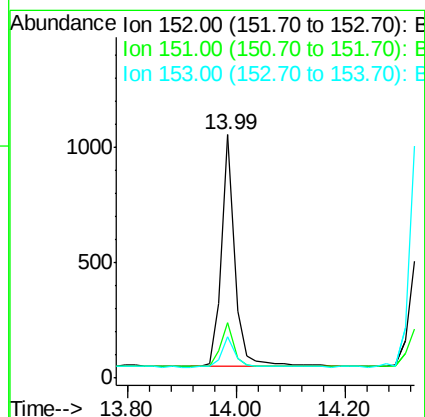
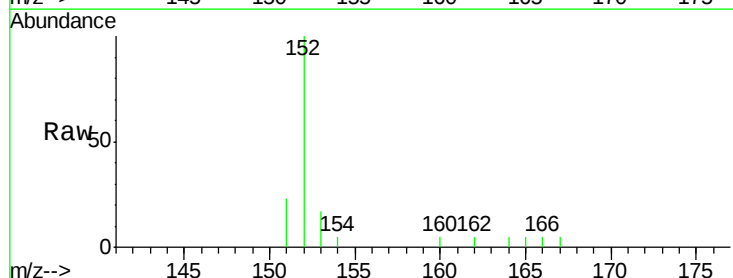
RT: 13.99 min Scan# 1675

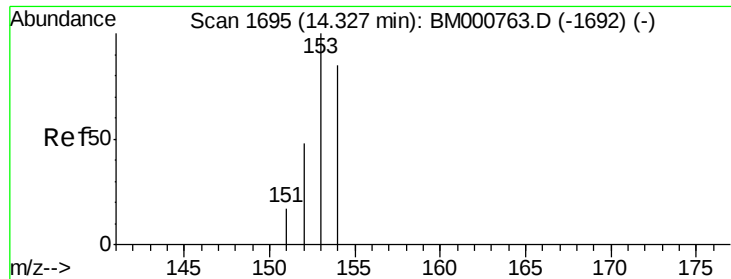
Delta R.T. 0.00 min

Lab File: BM000770.D

Acq: 01 Apr 2015 01:24

Tgt Ion:	152	Resp:	1716
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.1	22.7
153	12.2	10.2	15.4





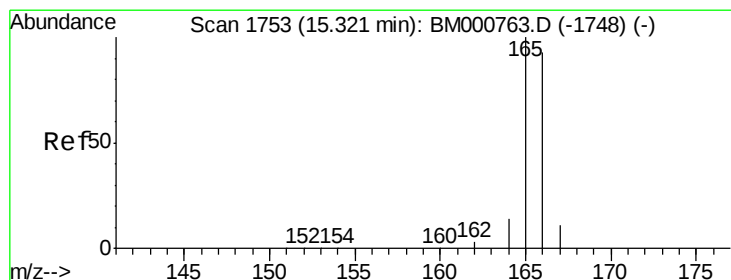
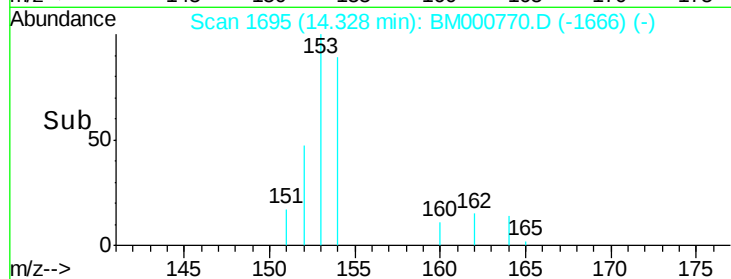
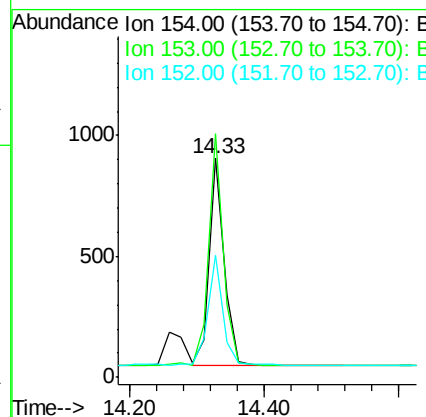
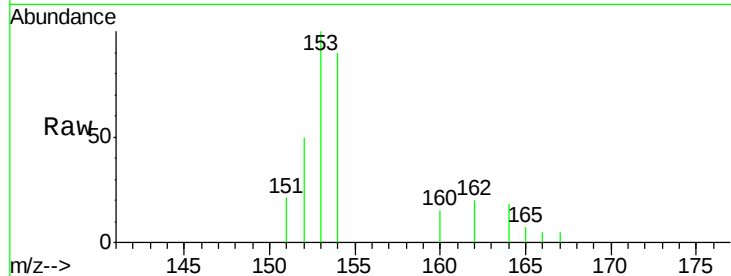
#11
Acenaphthene
Concen: 0.06 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleID :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	87.3	130.9
152	53.3	43.0	64.6

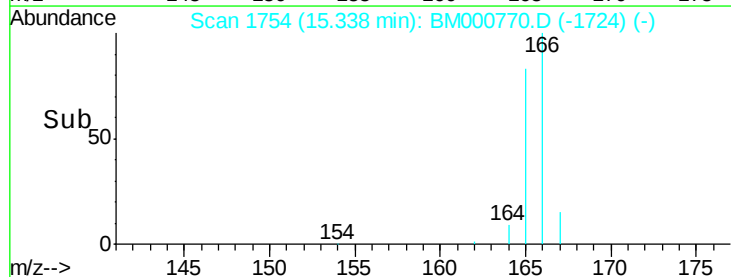
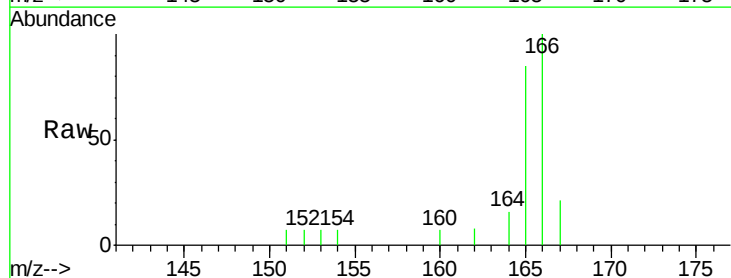
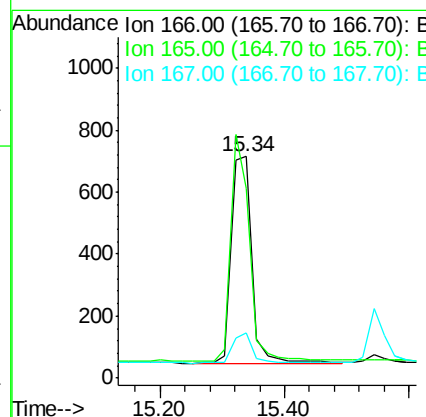
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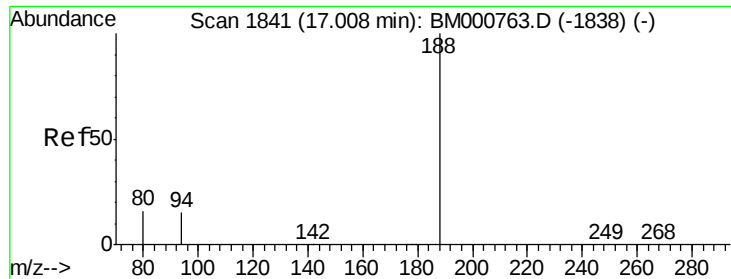
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#12
Fluorene
Concen: 0.07 ng
RT: 15.34 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.2
167	14.6	10.7	16.1





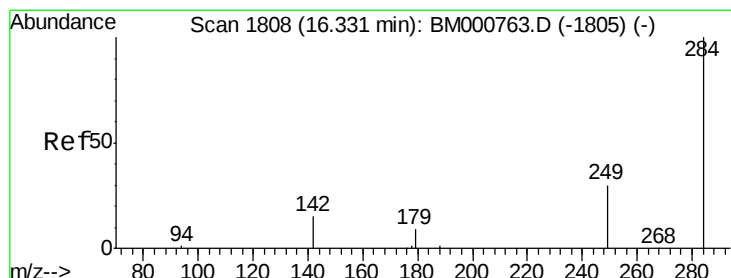
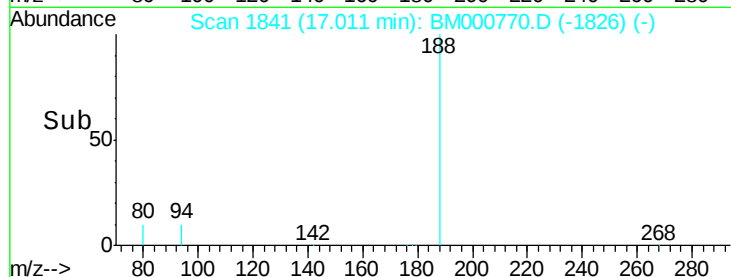
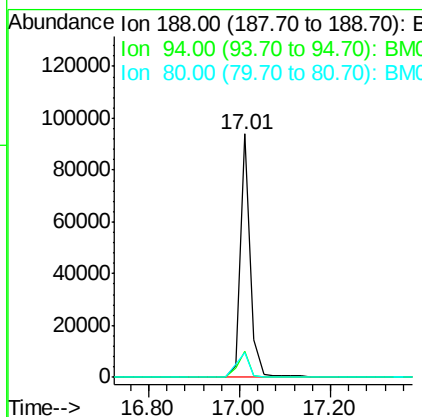
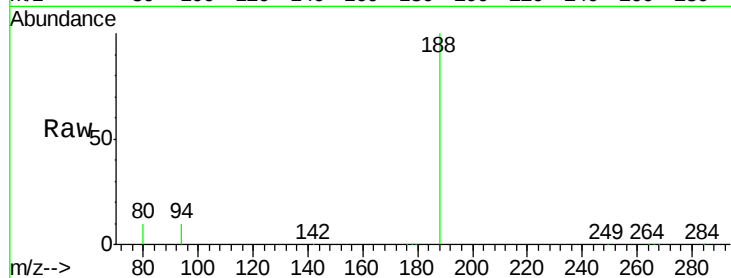
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
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ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	144428		
94	10.5	12.0	18.0#	
80	10.4	12.8	19.2#	

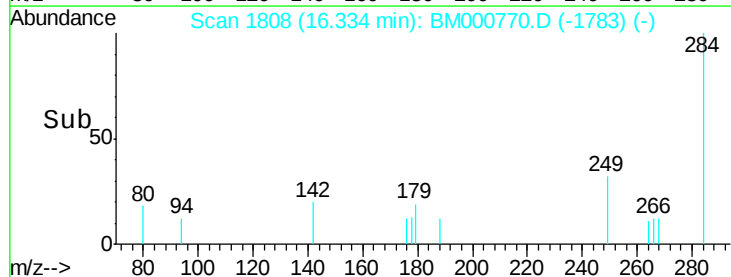
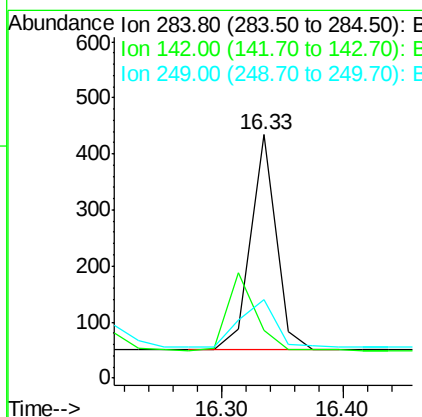
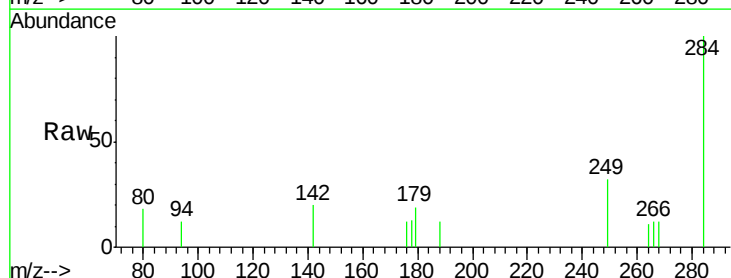
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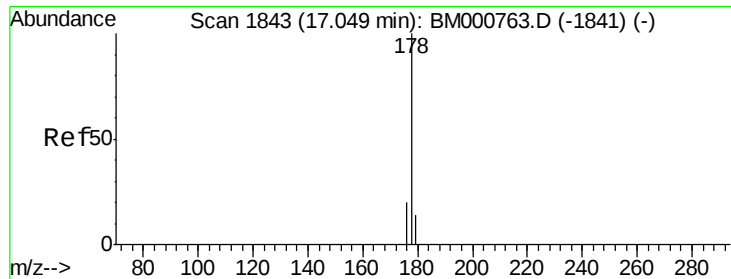
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#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	561		
142	0.0	0.0	0.0	
249	29.8	25.2	37.8	





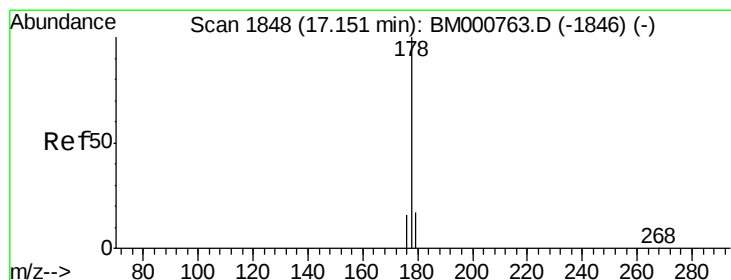
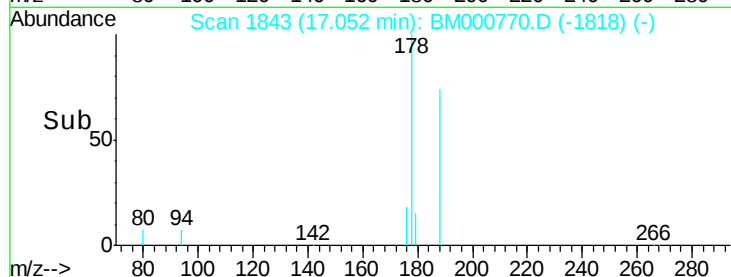
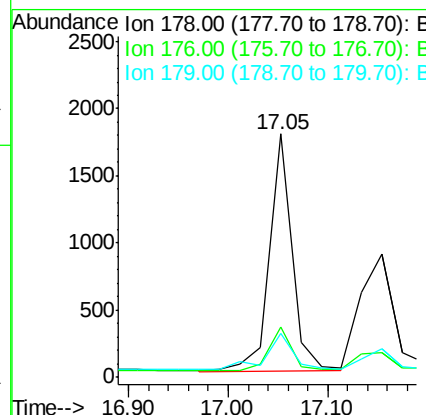
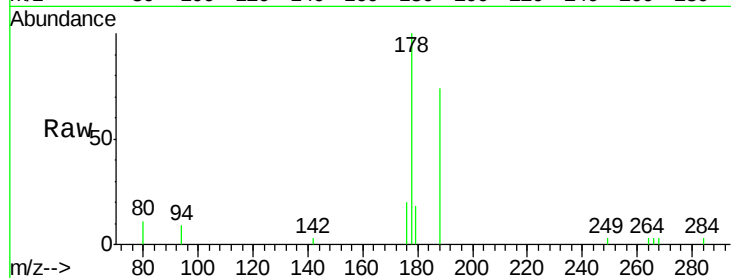
#16
Phenanthrene
Concen: 0.07 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.1	15.3	22.9#
179	11.6	12.2	18.2#

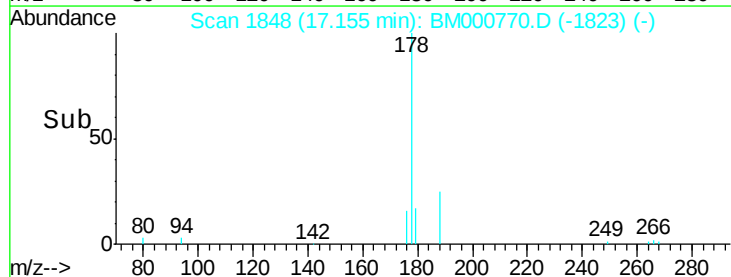
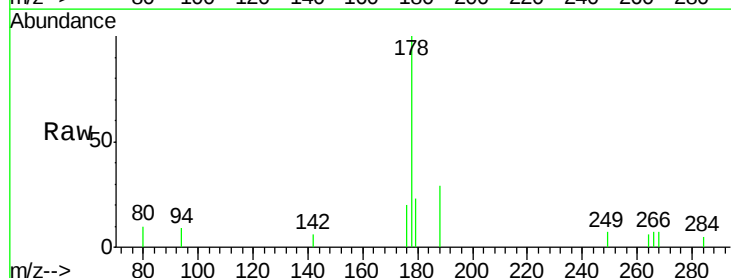
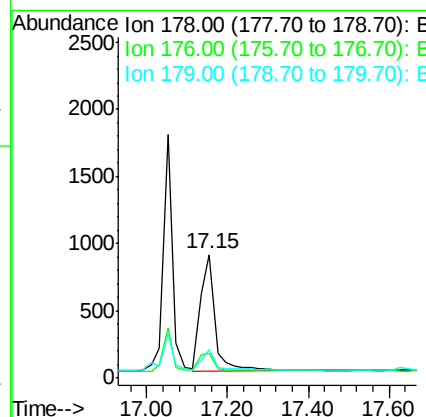
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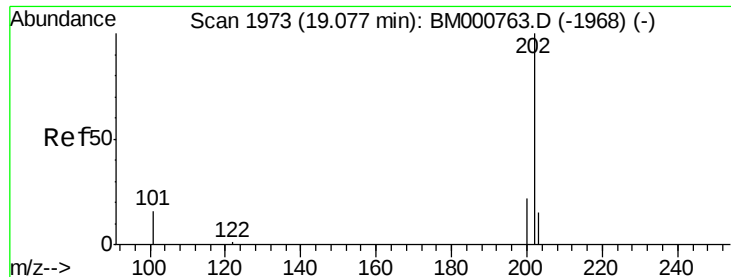
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#17
Anthracene
Concen: 0.07 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.6	22.0
179	14.8	12.2	18.4





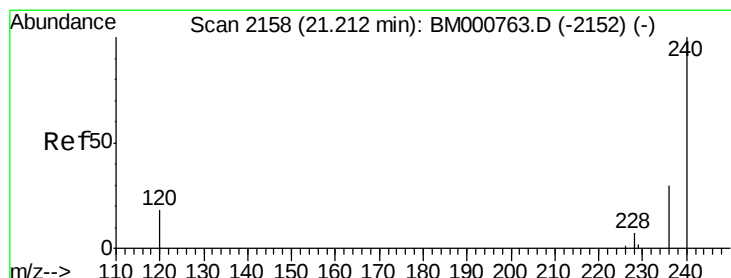
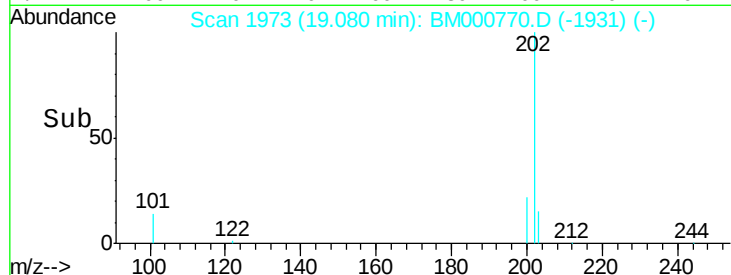
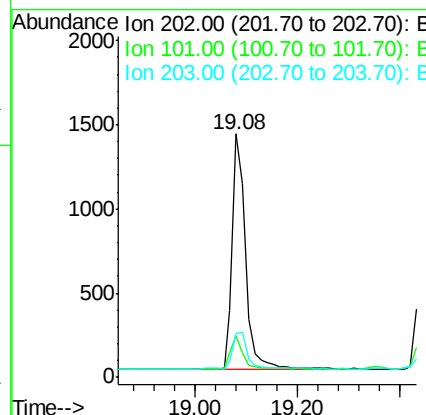
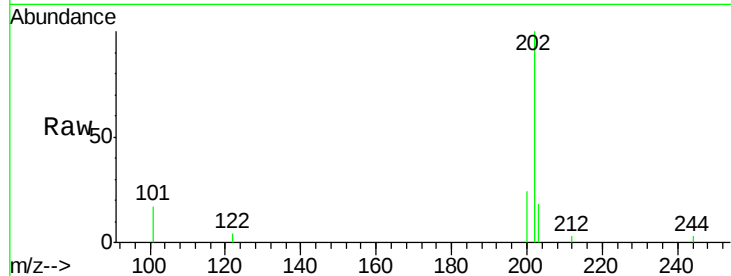
#18
Fluoranthene
Concen: 0.06 ng
RT: 19.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.5	15.7
203	17.5	13.8	20.8

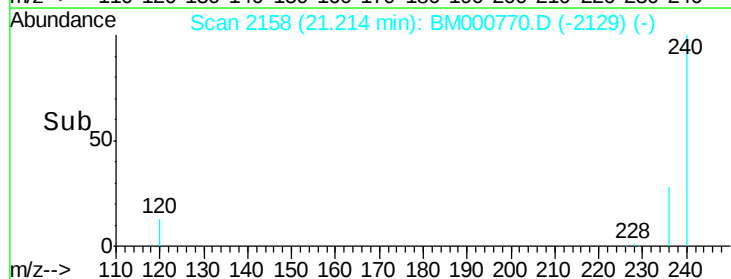
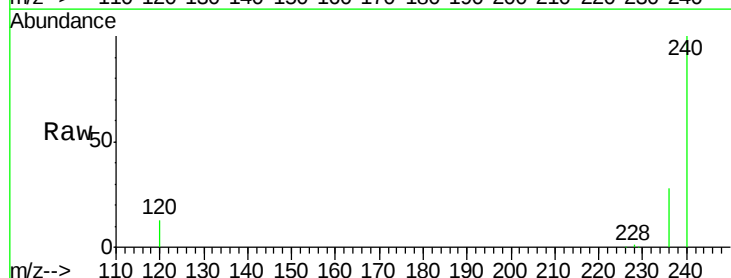
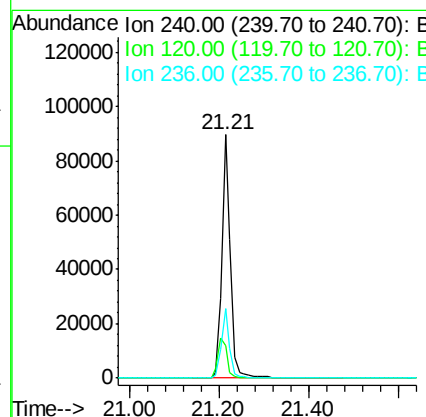
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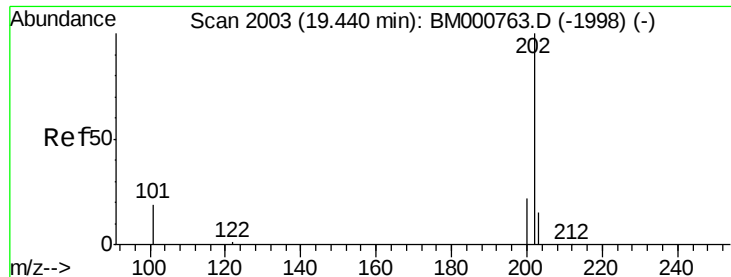
apatel
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#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	14.9	22.3#
236	28.4	24.2	36.4





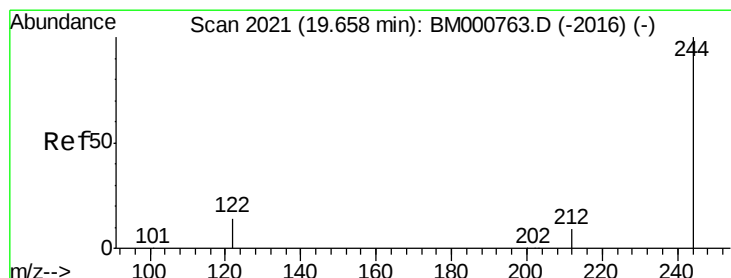
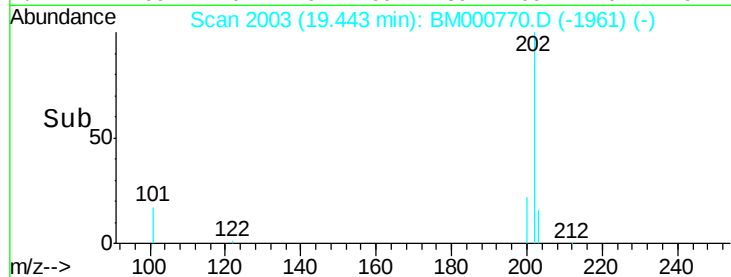
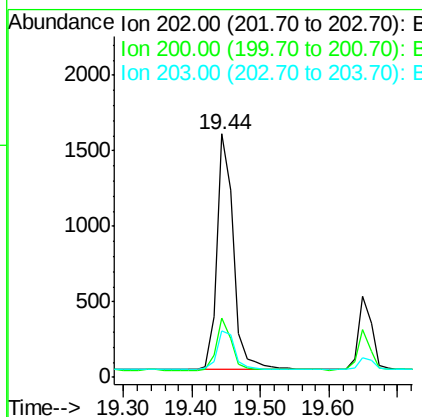
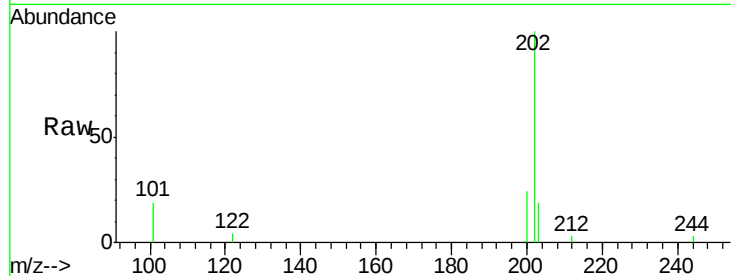
#20
Pyrene
Concen: 0.07 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:	202	Resp:	2610
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.2
203	18.0	13.9	20.9

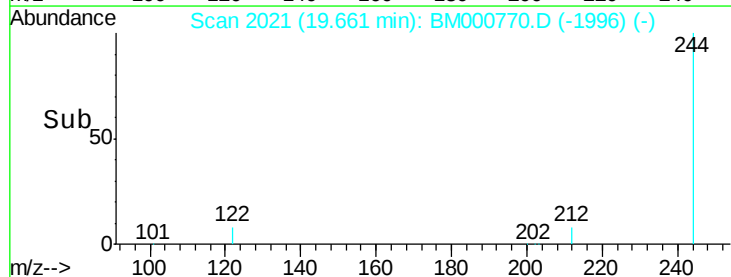
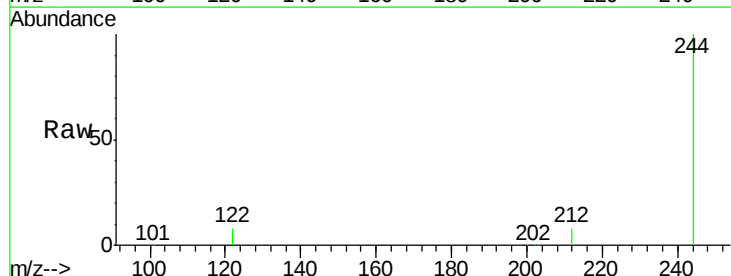
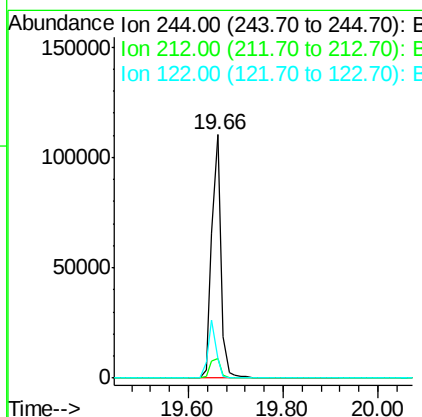
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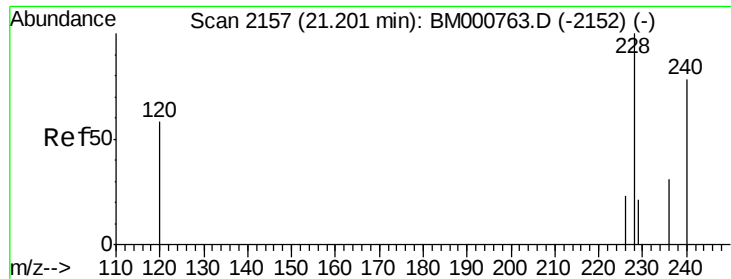
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#21
Terphenyl-d14
Concen: 10.50 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion:	244	Resp:	149449
Ion Ratio	Lower	Upper	
244	100		
212	8.3	7.8	11.6
122	7.9	11.8	17.8#





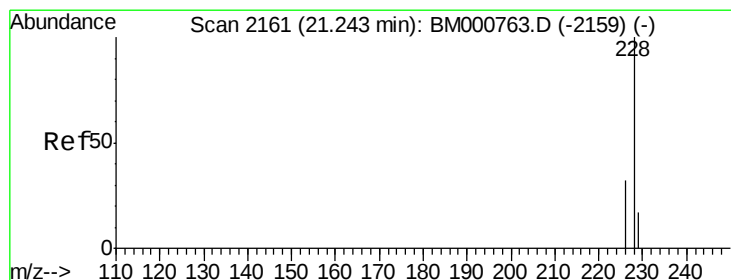
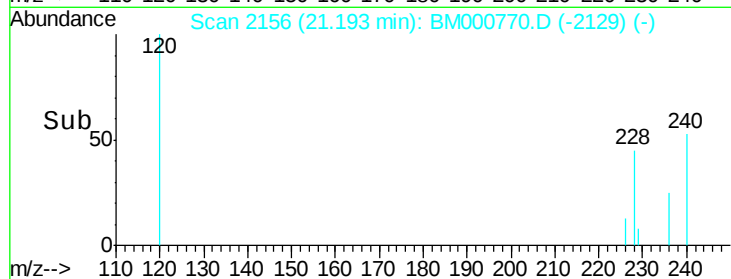
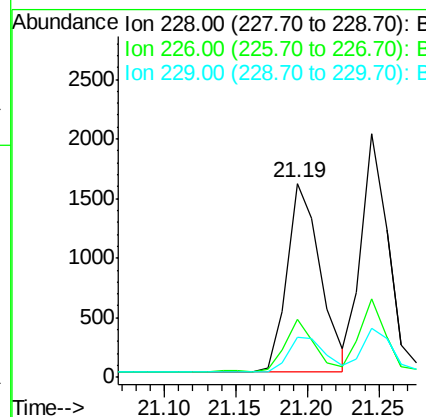
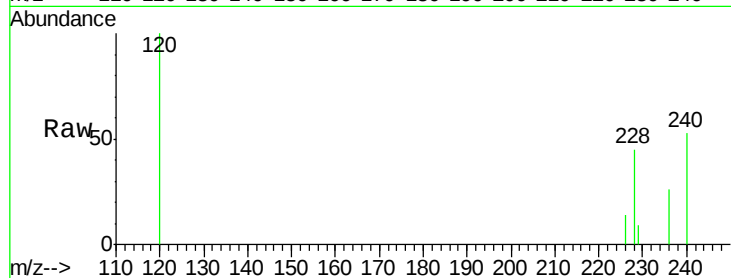
#22
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.19 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion: 228 Resp: 2585
Ion Ratio Lower Upper
228 100
226 30.2 18.6 27.8#
229 20.6 17.2 25.8

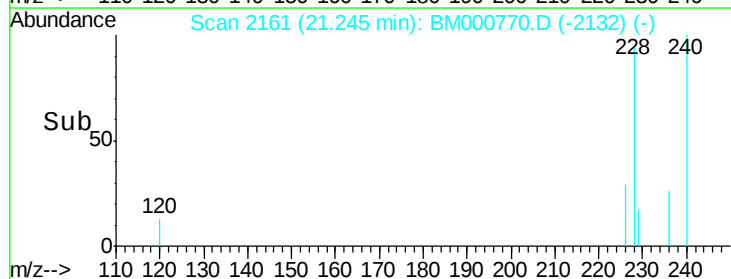
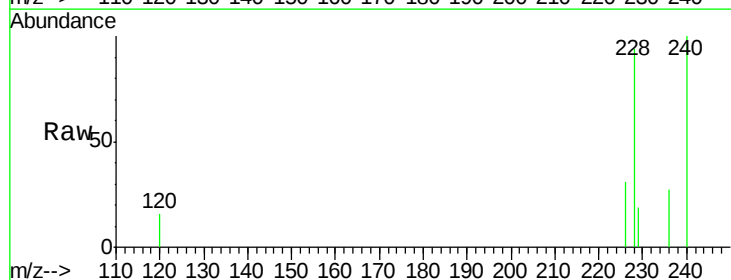
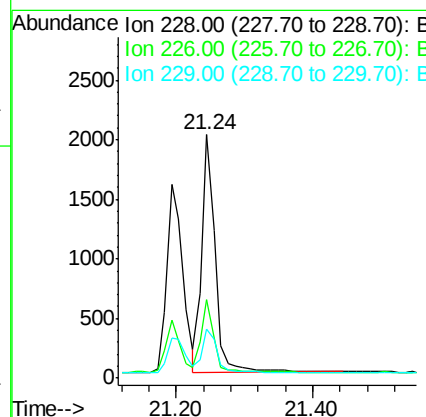
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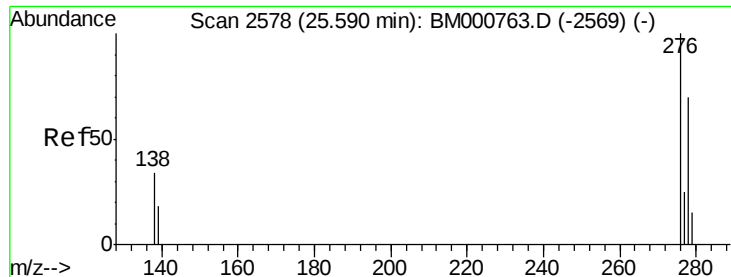
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#23
Chrysene
Concen: 0.08 ng
RT: 21.24 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion: 228 Resp: 2702
Ion Ratio Lower Upper
228 100
226 32.5 25.8 38.8
229 20.3 13.8 20.6





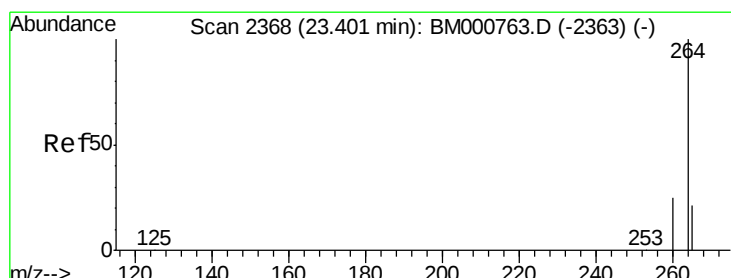
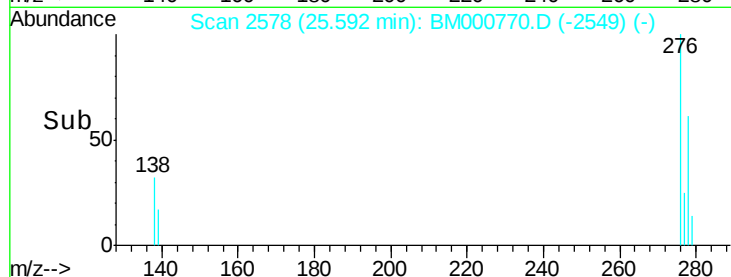
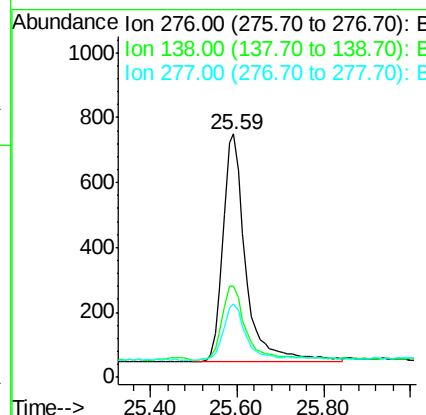
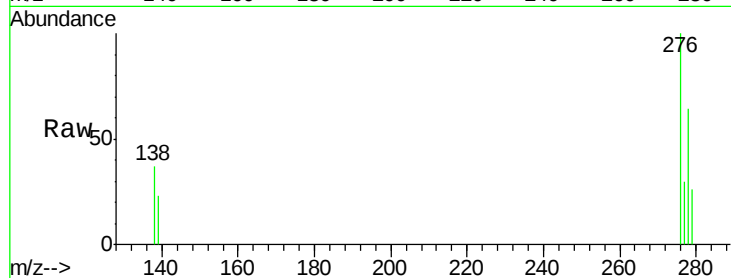
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.1	27.4	41.2
277	24.0	19.7	29.5

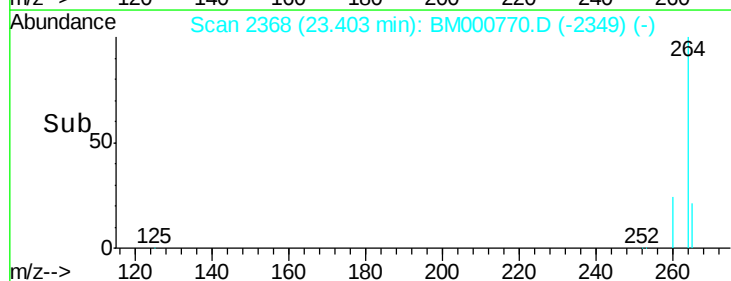
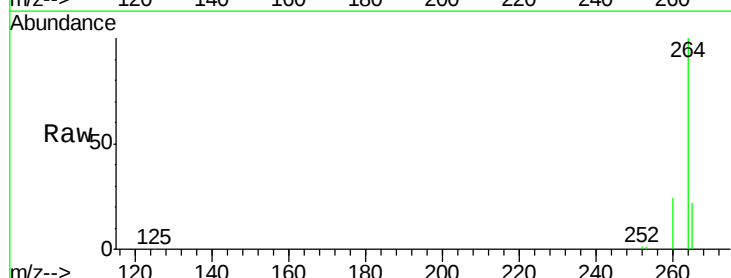
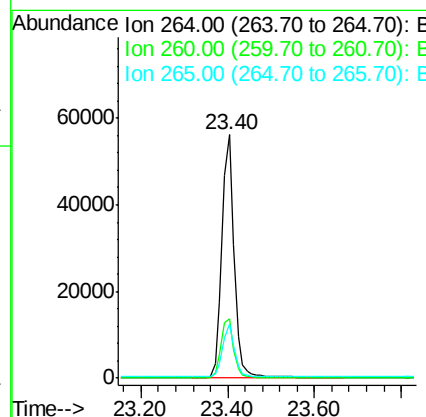
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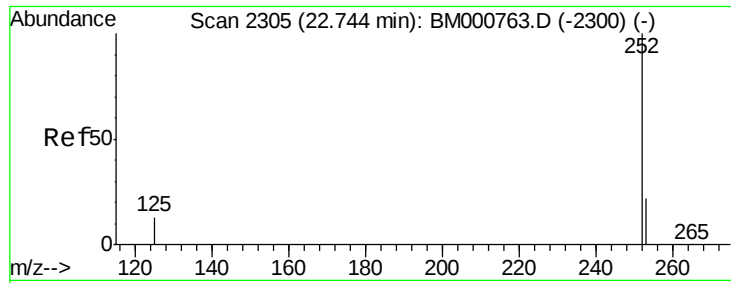
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.0	17.4	26.0





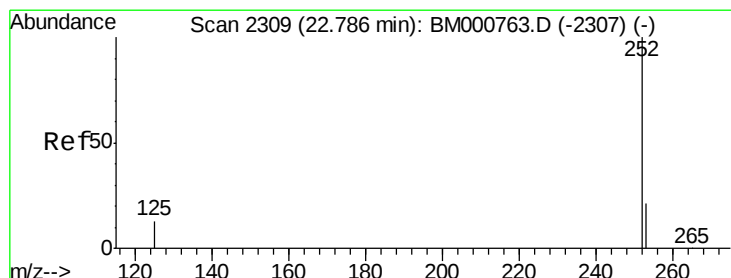
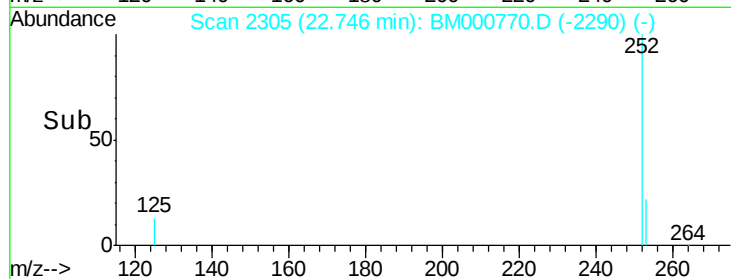
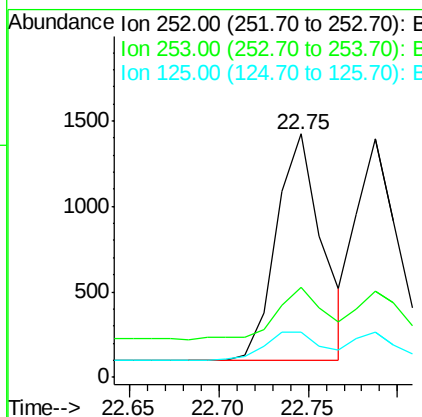
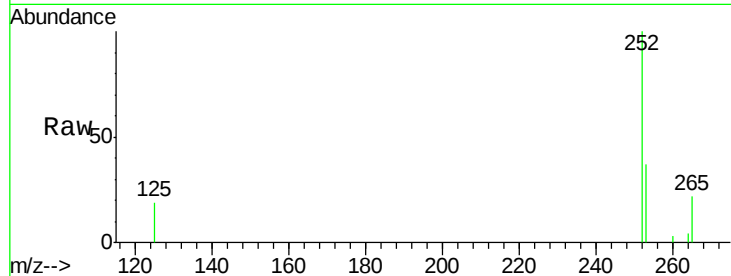
#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.75 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.8	18.5	27.7#
125	18.8	10.6	16.0#

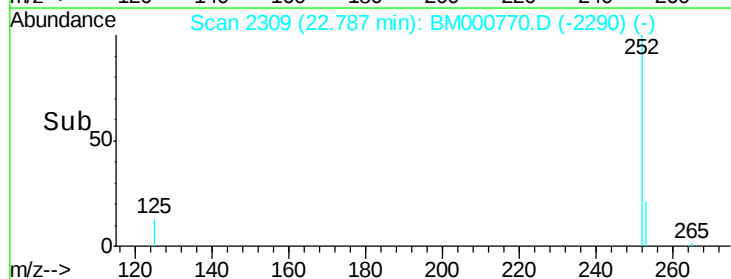
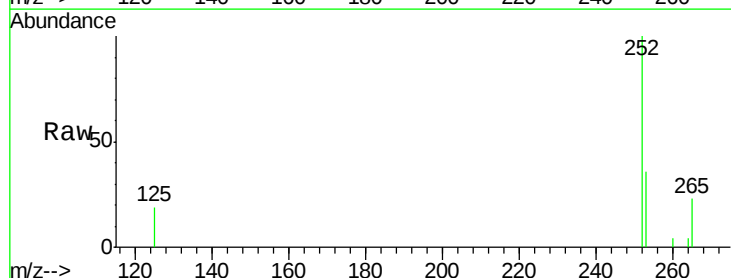
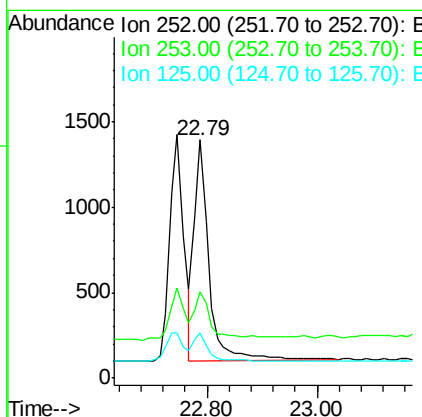
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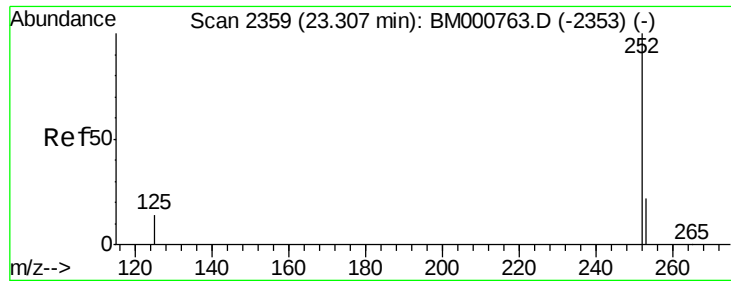
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#27
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000770.D
Acq: 01 Apr 2015 01:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.1	17.9	26.9#
125	19.3	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000770.D

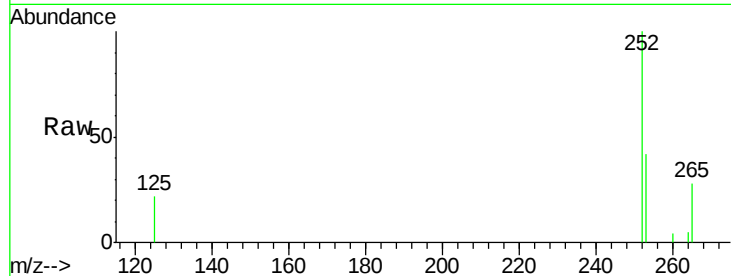
Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

ClientSampleId :

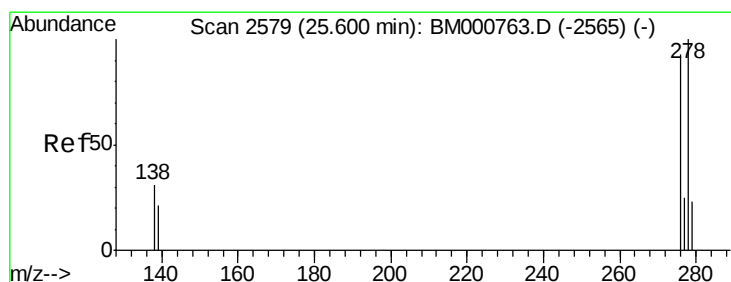
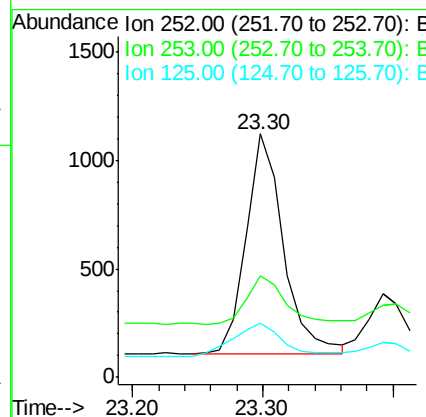
MDL-01-S



Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.9	19.4	29.2#
125	22.4	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

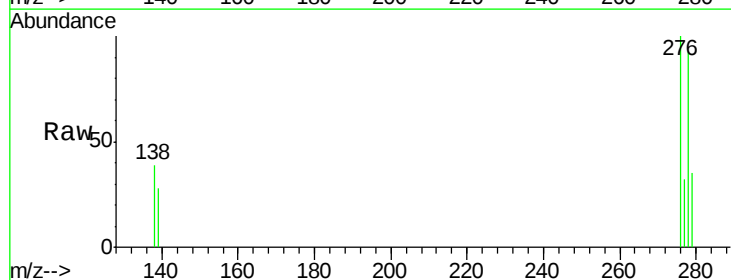
Concen: 0.07 ng

RT: 25.60 min Scan# 2579

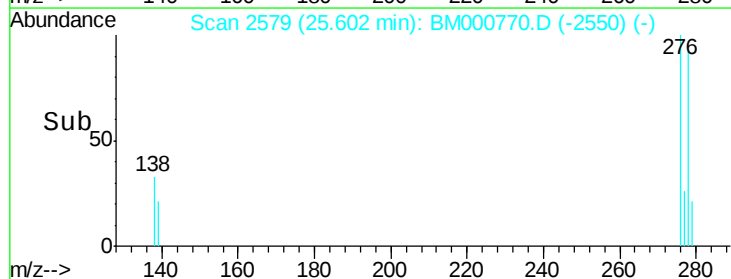
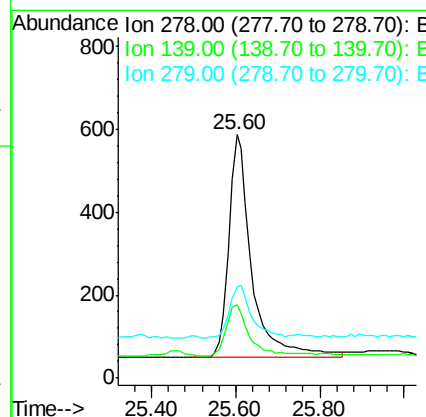
Delta R.T. 0.00 min

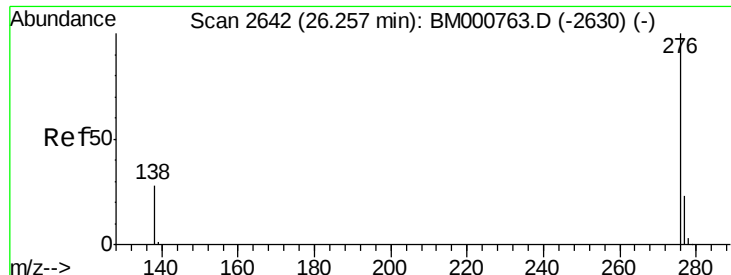
Lab File: BM000770.D

Acq: 01 Apr 2015 01:24



Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	17.8	26.6#
279	37.4	19.3	28.9#





#30

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000770.D

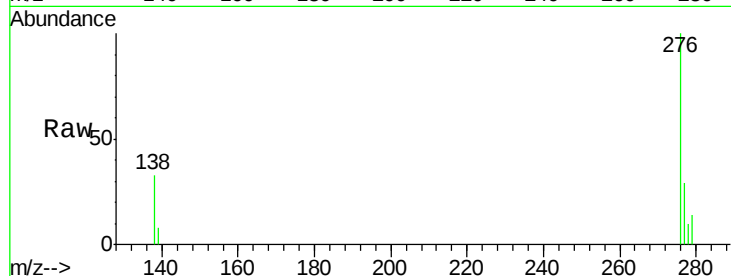
Acq: 01 Apr 2015 01:24

Instrument :

BNA_M

ClientSampleId :

MDL-01-S



Tgt Ion: 276 Resp: 2302

Ion Ratio Lower Upper

276 100

277 28.6 19.1 28.7

138 33.2 23.1 34.7

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