

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000771.D
 Acq On : 01 Apr 2015 02:00
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.1/0.2PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

Manual Integrations
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Quant Time: Apr 01 15:17:41 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	43393	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	146502	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	70061	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	152269	5.00	ng	0.00
19) Chrysene-d12	21.21	240	125524	5.00	ng	0.00
25) Perylene-d12	23.40	264	116029	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	68035	7.58	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	200209	9.21	ng	0.00
21) Terphenyl-d14	19.66	244	153116	10.14	ng	0.00

Target Compounds						Qvalue
6) Naphthalene	10.45	128	2430	0.07	ng	# 94
7) 2-Methylnaphthalene	12.08	142	1444	0.07	ng	95
10) Acenaphthylene	13.98	152	1881	0.06	ng	99
11) Acenaphthene	14.33	154	1452	0.07	ng	97
12) Fluorene	15.32	166	1674	0.07	ng	99
14) Hexachlorobenzene	16.33	284	640	0.07	ng	# 98
16) Phenanthrene	17.05	178	3016m	0.07	ng	
17) Anthracene	17.15	178	2398	0.07	ng	98
18) Fluoranthene	19.09	202	2788	0.07	ng	99
20) Pyrene	19.45	202	2942	0.07	ng	99
22) Benzo(a)anthracene	21.19	228	2840	0.08	ng	# 90
23) Chrysene	21.24	228	3053	0.08	ng	97
24) Indeno(1,2,3-cd)pyrene	25.59	276	2774	0.07	ng	100
26) Benzo(b)fluoranthene	22.74	252	2560	0.07	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2636	0.08	ng	# 78
28) Benzo(a)pyrene	23.30	252	2272	0.07	ng	# 72
29) Dibenzo(a,h)anthracene	25.60	278	2266	0.07	ng	# 80
30) Benzo(g,h,i)perylene	26.26	276	2537	0.08	ng	91

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

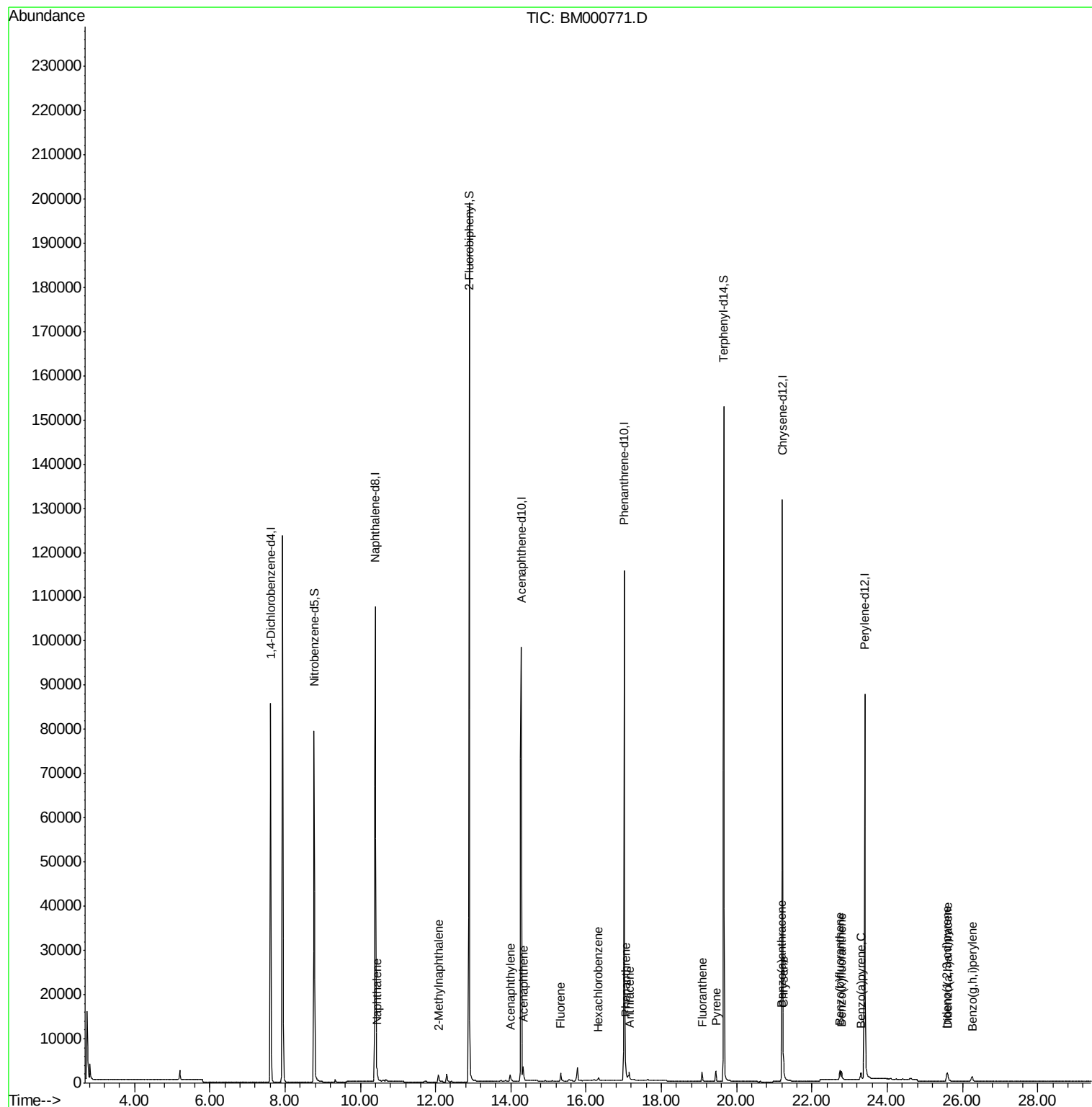
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
Data File : BM000771.D
Acq On : 01 Apr 2015 02:00
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Sample : MDL-02-S
Misc : MDL-SOIL-0.1/0.2PPM
ALS Vial : 13 Sample Multiplier: 1

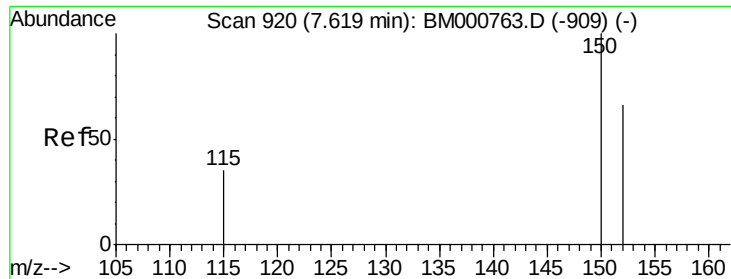
Instrument :
BNA_M
ClientSampleId :
MDL-02-S

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Quant Time: Apr 01 15:17:41 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: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

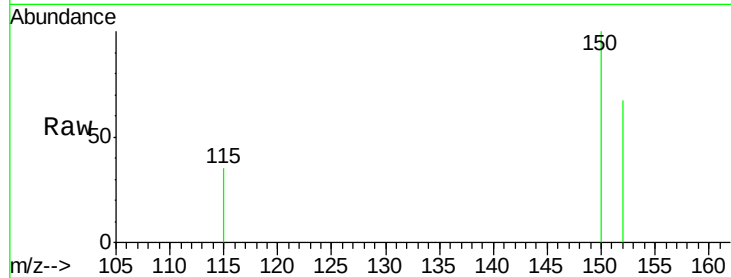
ClientSampled :

MDL-02-S

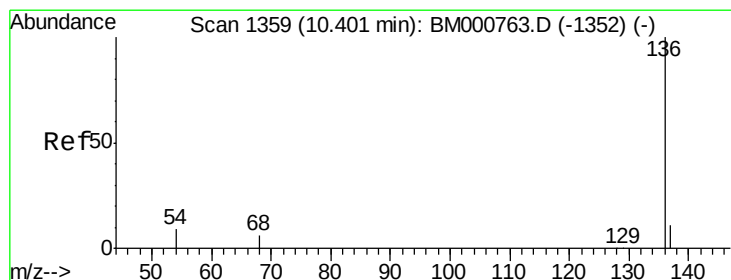
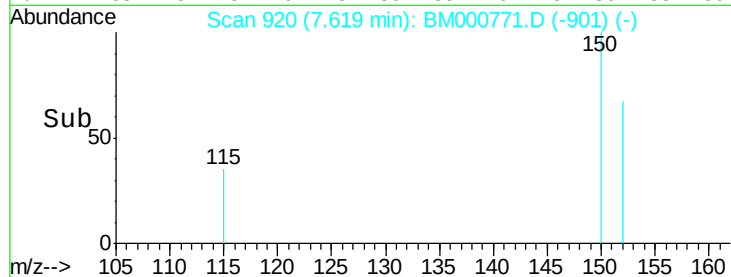
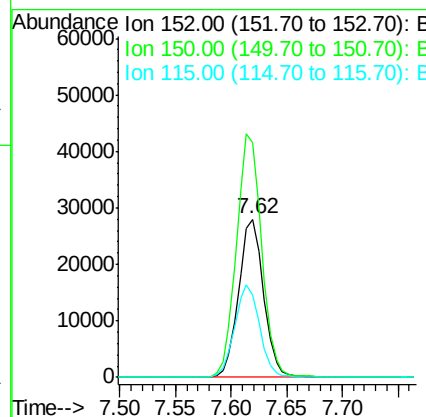
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Tgt Ion:	152	Resp:	43393
Ion Ratio	Lower	Upper	
152	100		
150	148.7	120.8	181.2
115	51.8	42.7	64.1



#4

Naphthalene-d8

Concen: 5.00 ng

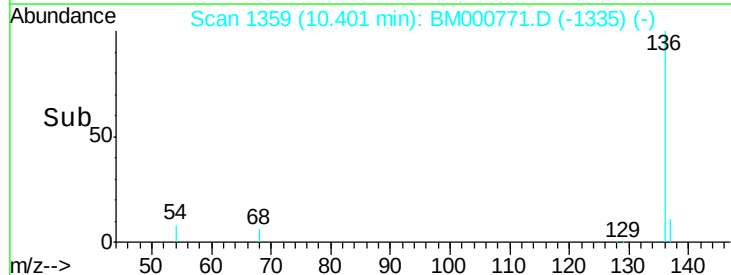
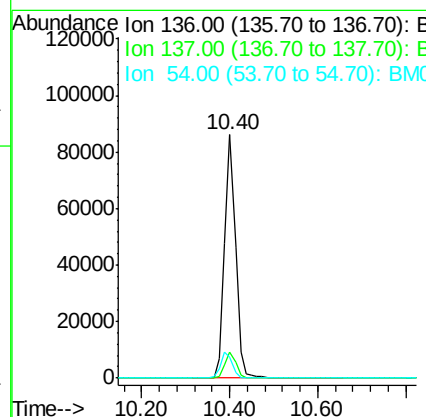
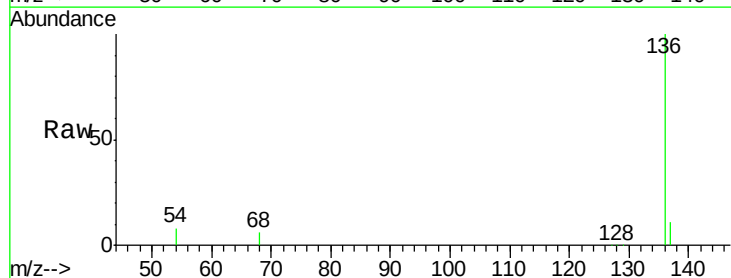
RT: 10.40 min Scan# 1359

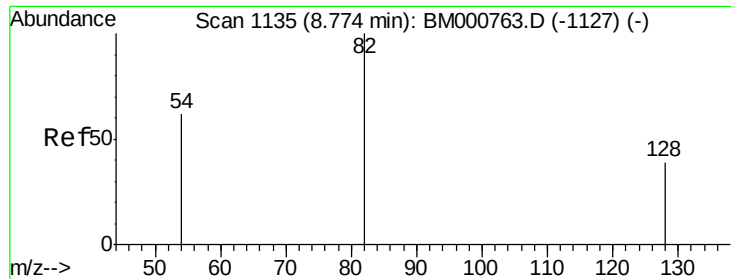
Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Tgt Ion:	136	Resp:	146502
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	8.4	7.0	10.6





#5

Nitrobenzene-d5

Concen: 7.58 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000771.D

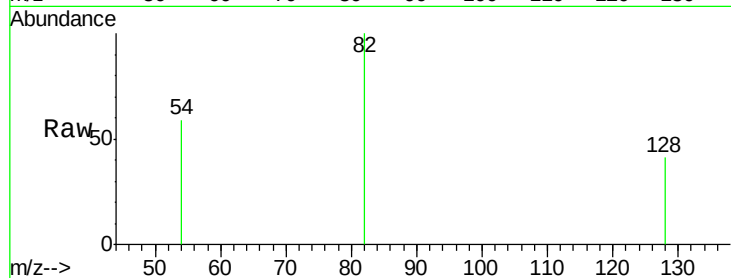
Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



Tgt Ion: 82 Resp: 68035

Ion Ratio Lower Upper

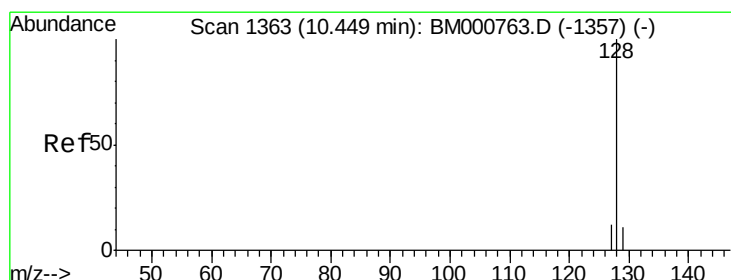
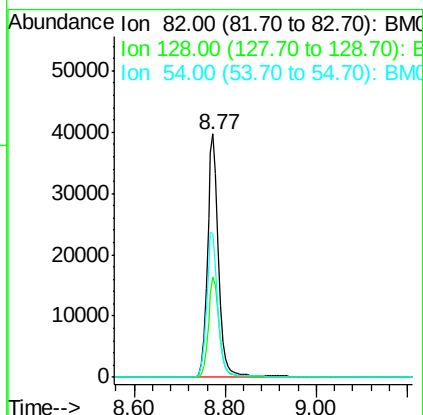
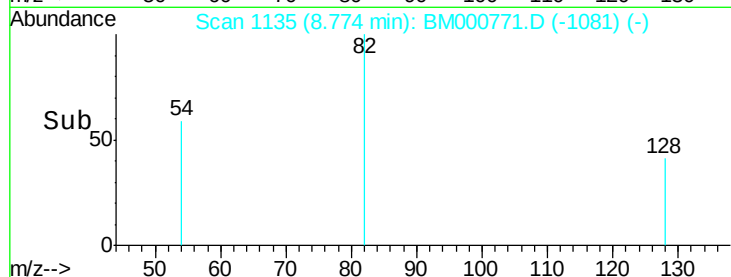
82 100

128 41.3 32.2 48.2

54 59.3 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: BM000771.D

Acq: 01 Apr 2015 02:00

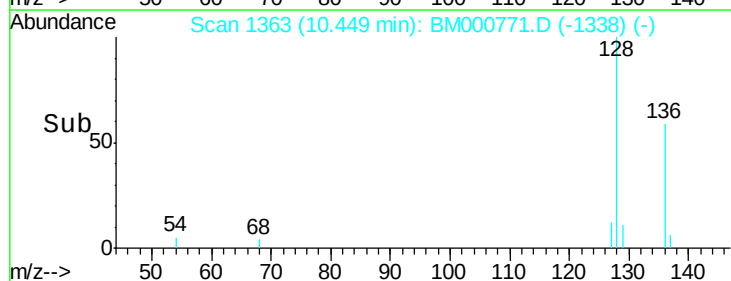
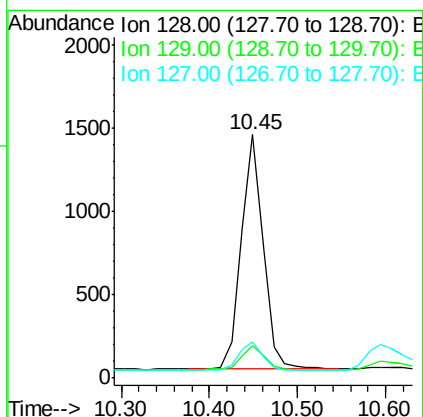
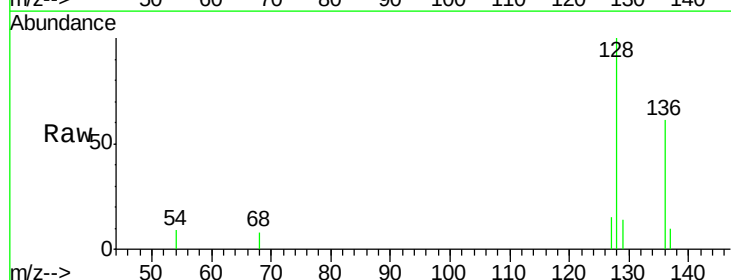
Tgt Ion: 128 Resp: 2430

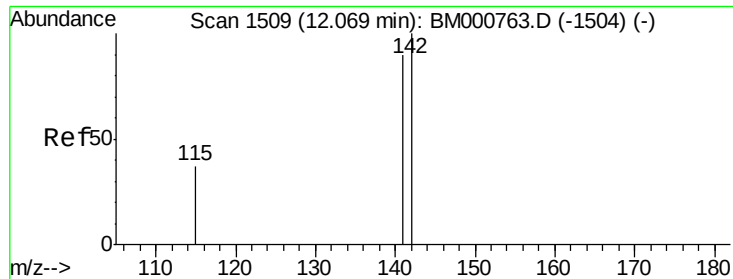
Ion Ratio Lower Upper

128 100

129 13.6 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: BM000771.D

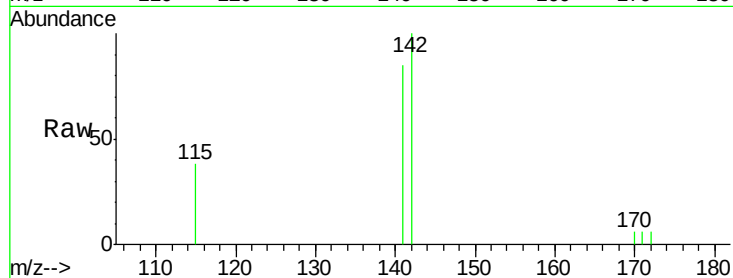
Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

ClientSampleId :

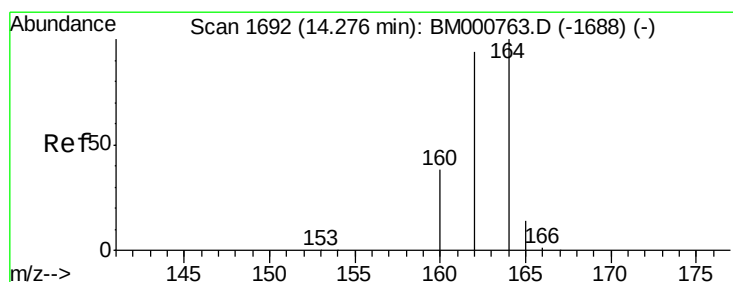
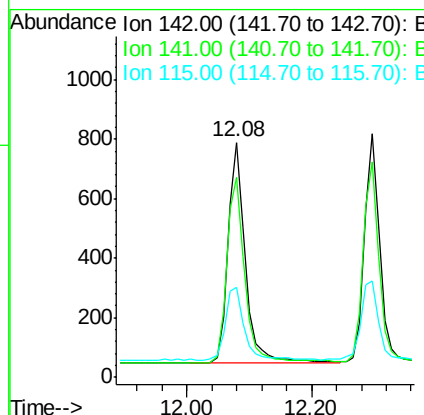
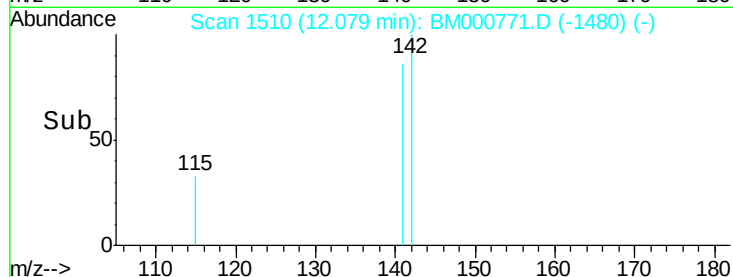
MDL-02-S



Tgt Ion:	142	Resp:	1444
Ion Ratio	Lower	Upper	
142	100		
141	85.3	72.3	108.5
115	38.4	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

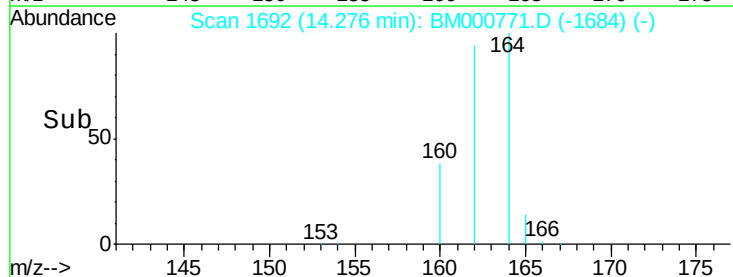
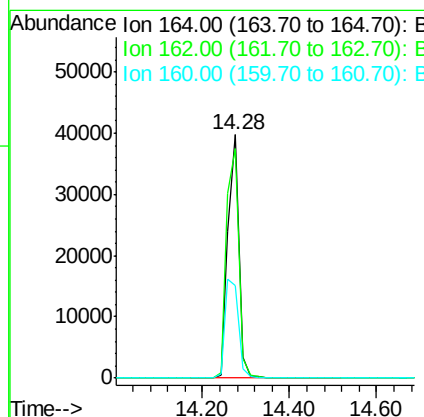
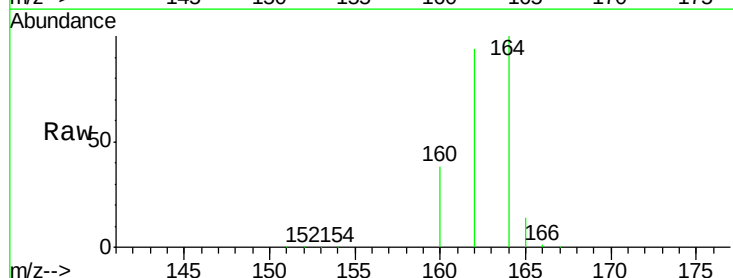
RT: 14.28 min Scan# 1692

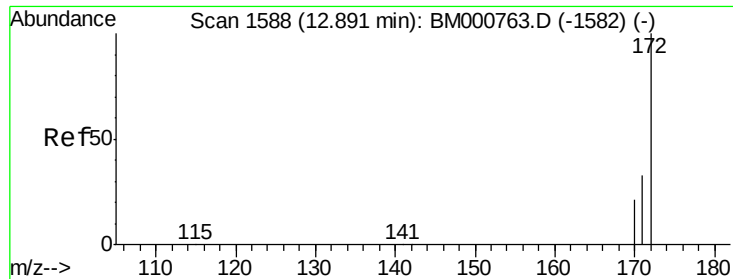
Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Tgt Ion:	164	Resp:	70061
Ion Ratio	Lower	Upper	
164	100		
162	94.3	75.4	113.2
160	37.9	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.21 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

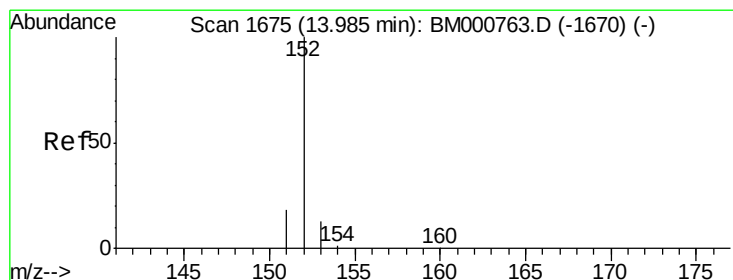
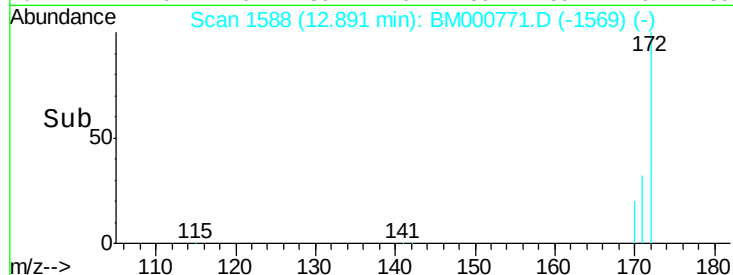
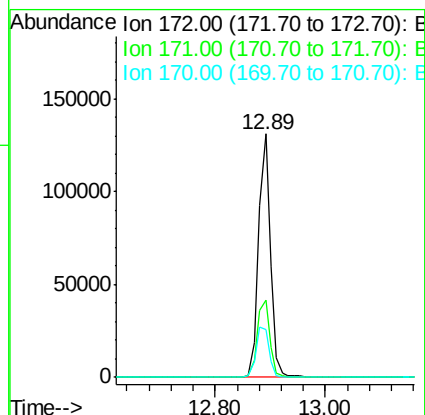
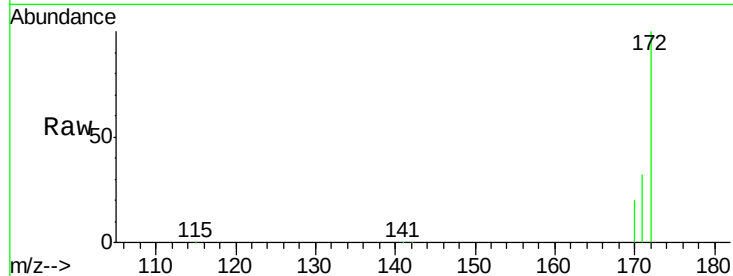
ClientSampleId :

MDL-02-S

Tgt Ion:	172	Resp:	200209
Ion Ratio	Lower	Upper	
172	100		
171	31.8	26.6	39.8
170	19.6	17.1	25.7

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#10

Acenaphthylene

Concen: 0.06 ng

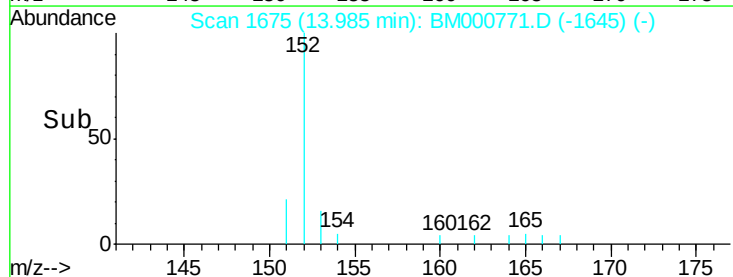
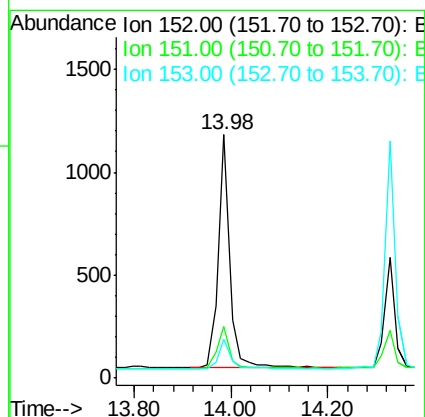
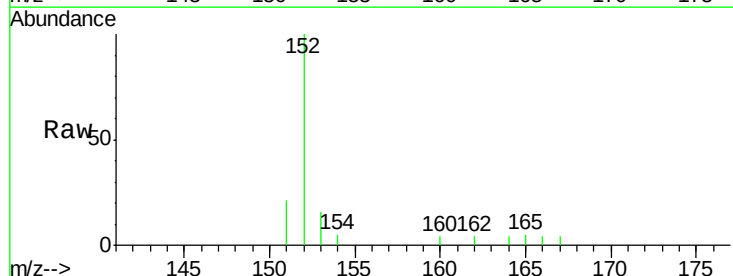
RT: 13.98 min Scan# 1675

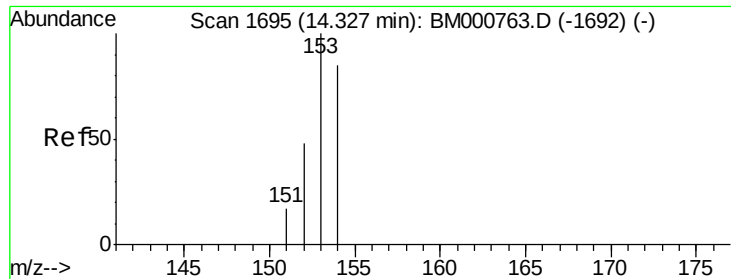
Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Tgt Ion:	152	Resp:	1881
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.1	22.7
153	12.3	10.2	15.4





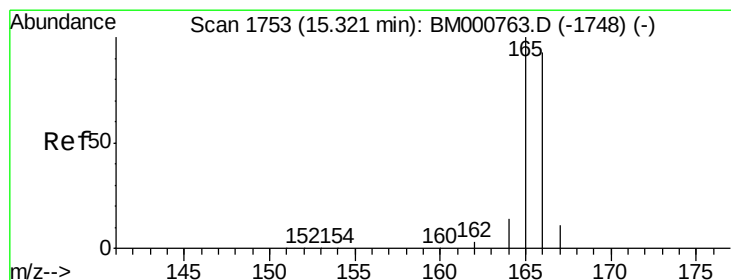
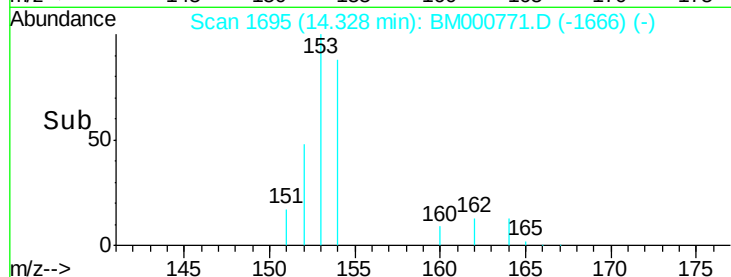
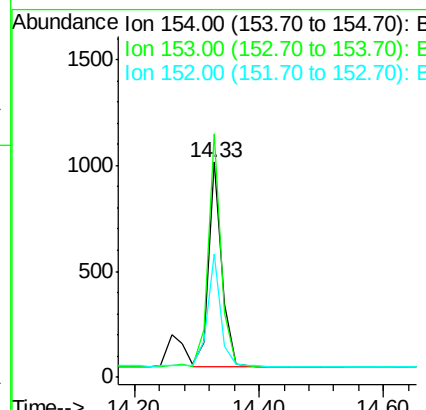
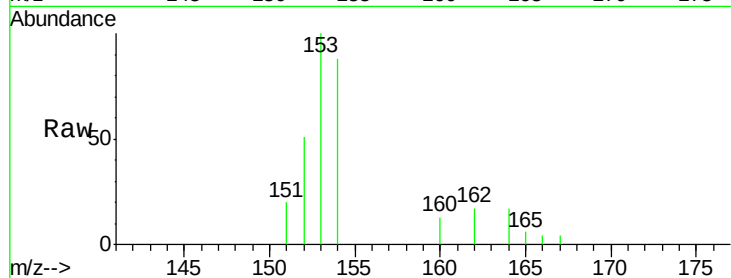
#11
Acenaphthene
Concen: 0.07 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.9	87.3	130.9
152	54.9	43.0	64.6

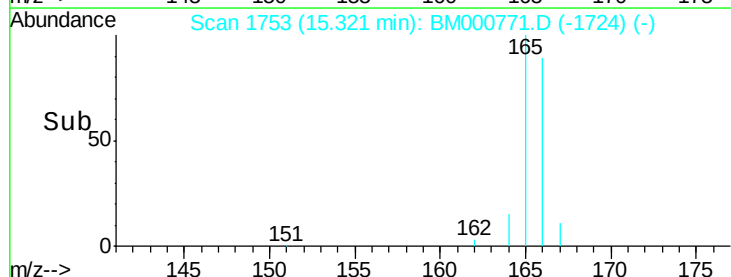
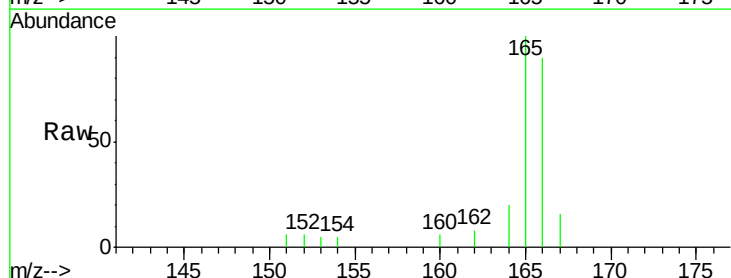
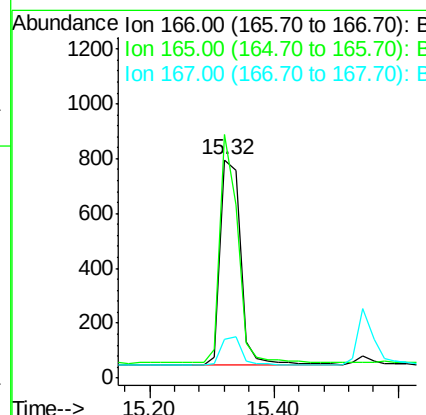
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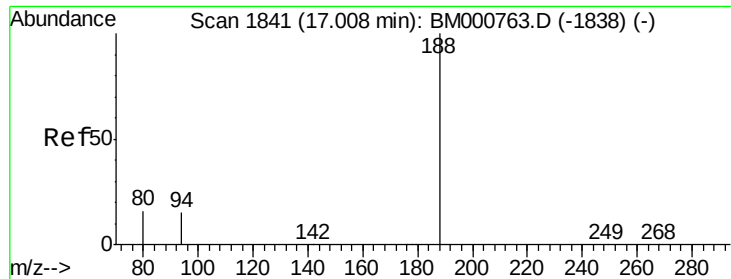
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#12
Fluorene
Concen: 0.07 ng
RT: 15.32 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.2
167	13.9	10.7	16.1





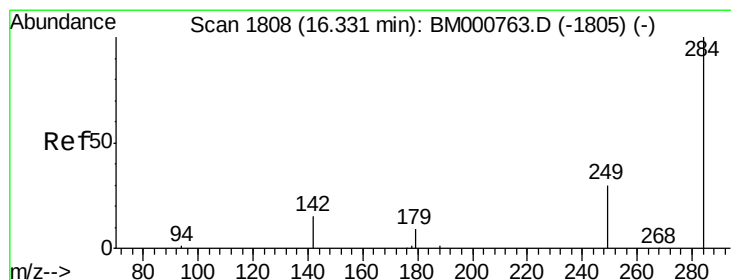
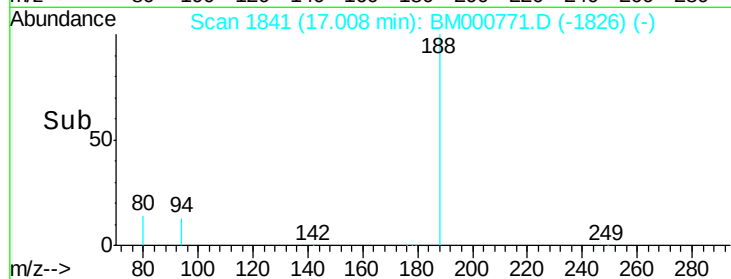
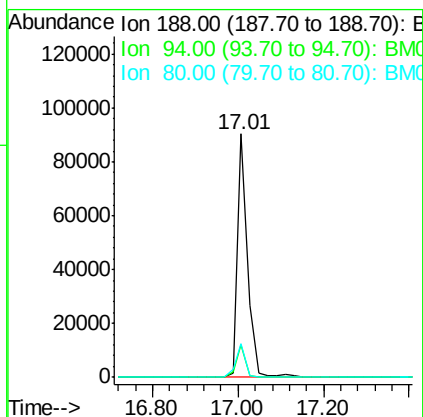
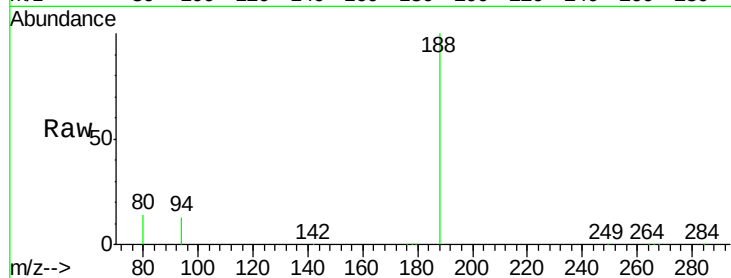
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	152269		
94	13.3	12.0	18.0	
80	14.1	12.8	19.2	

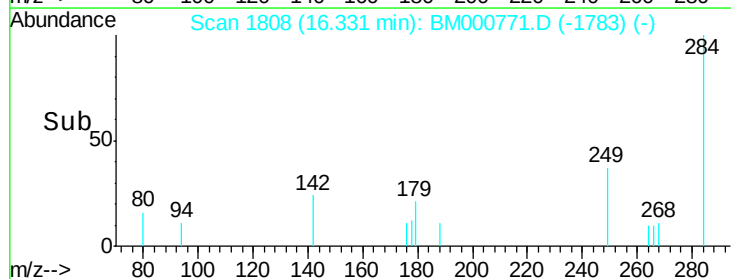
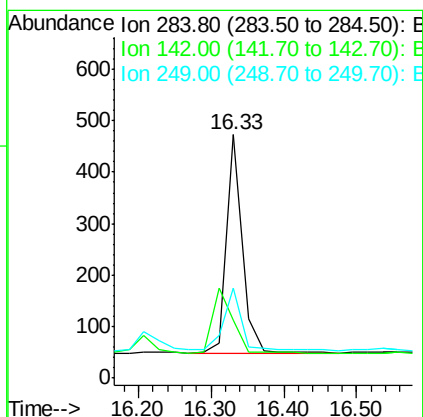
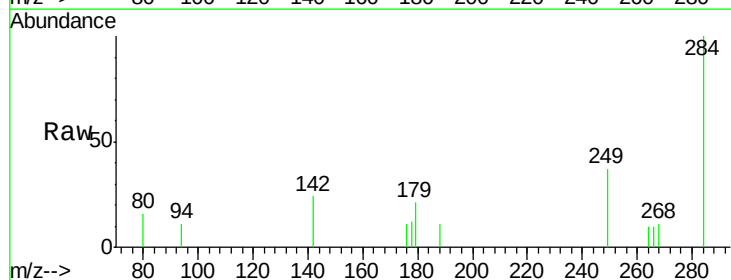
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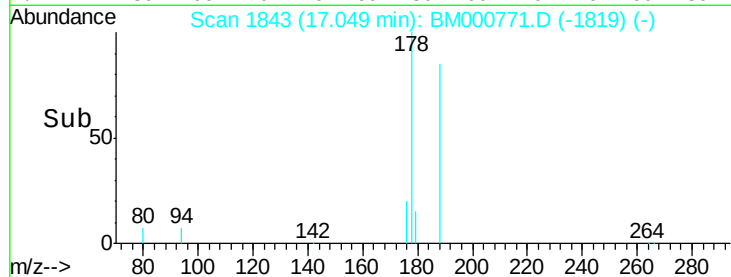
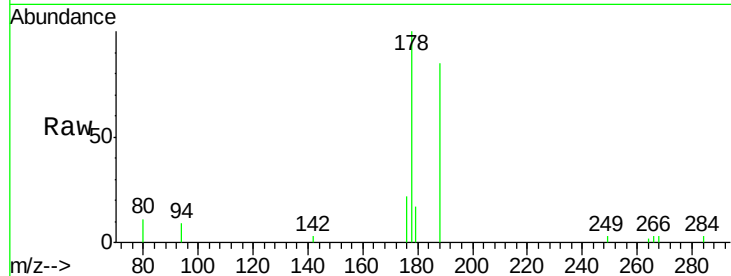
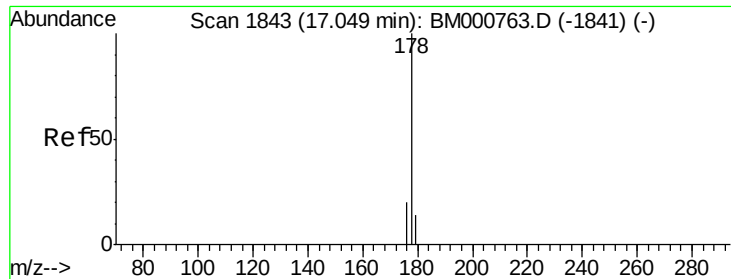
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#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	640		
142	0.0	0.0	0.0	
249	32.5	25.2	37.8	





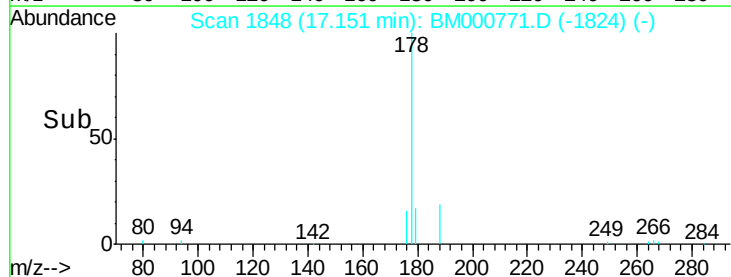
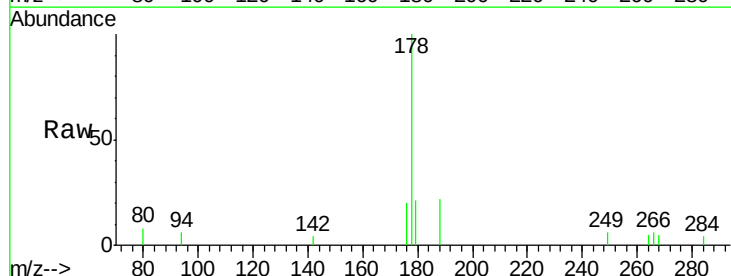
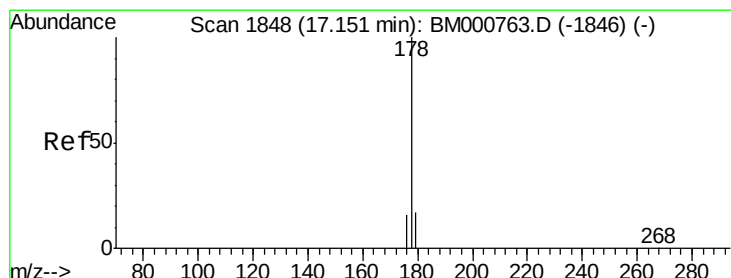
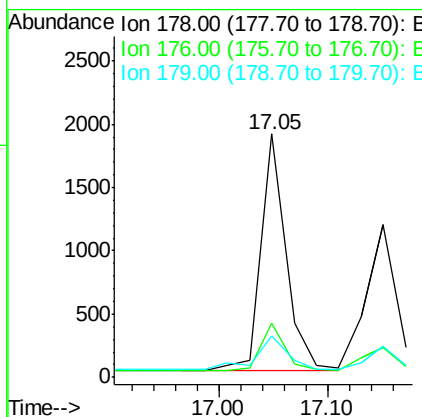
#16
Phenanthrene
Concen: 0.07 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion:178 Resp: 3016
Ion Ratio Lower Upper
178 100
176 14.1 15.3 22.9#
179 13.4 12.2 18.2

Instrument :
BNA_M
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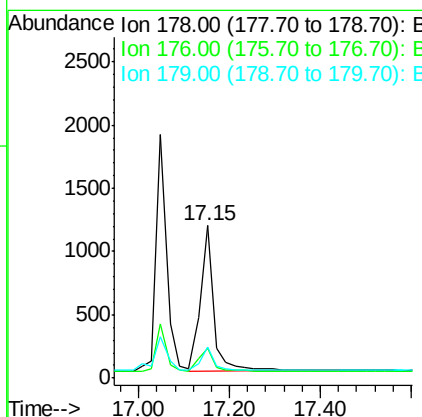
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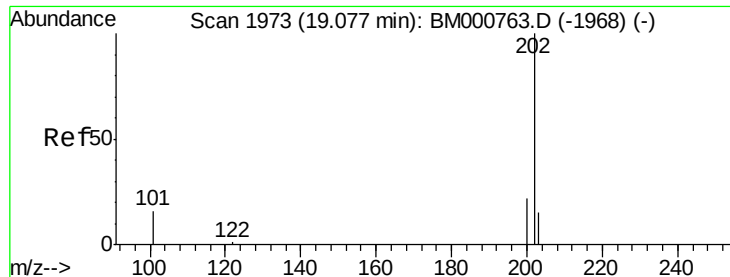
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#17
Anthracene
Concen: 0.07 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion:178 Resp: 2398
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 16.9 12.2 18.4





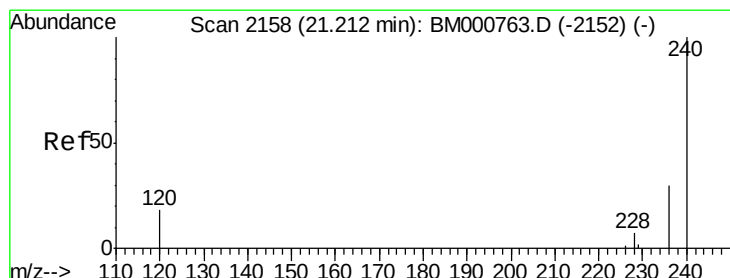
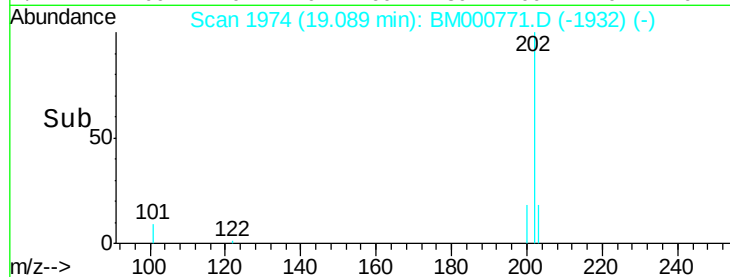
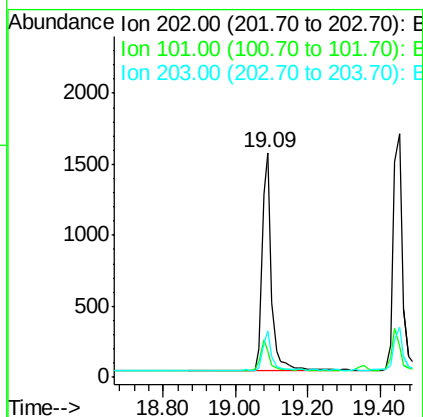
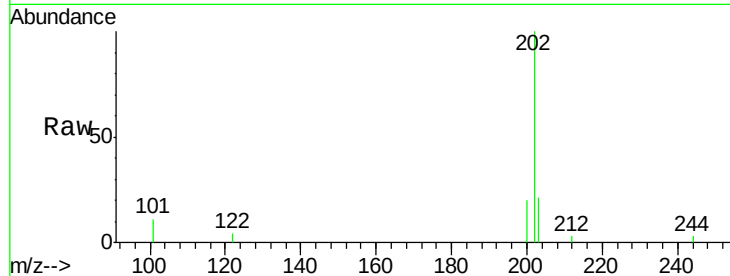
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000771.D
 Acq: 01 Apr 2015 02:00

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.5	15.7
203	17.6	13.8	20.8

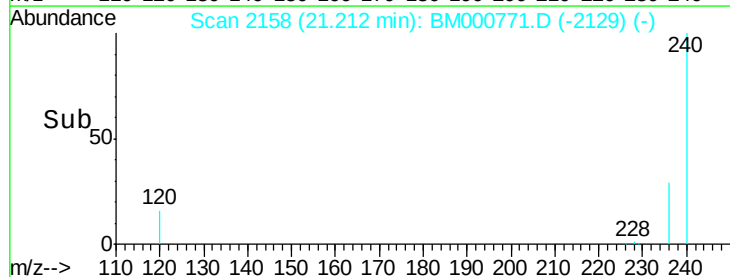
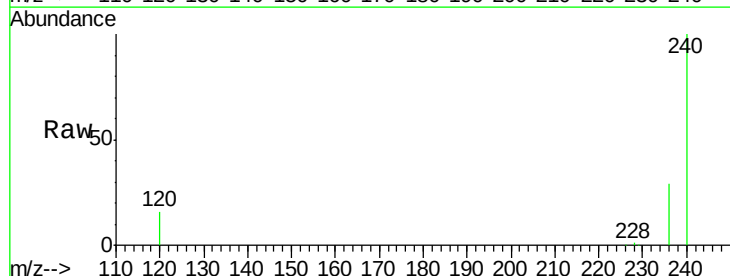
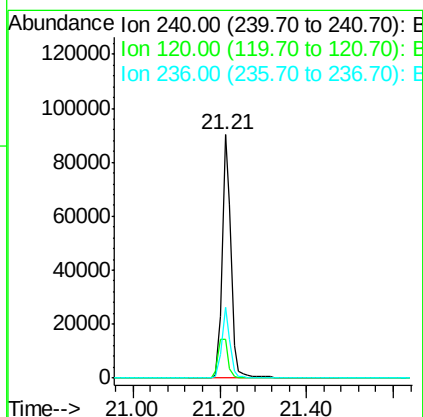
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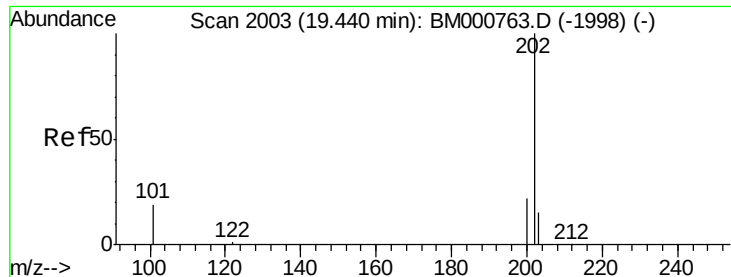
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000771.D
 Acq: 01 Apr 2015 02:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	14.9	22.3
236	29.0	24.2	36.4





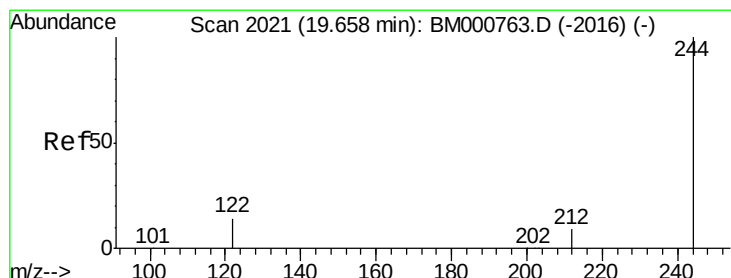
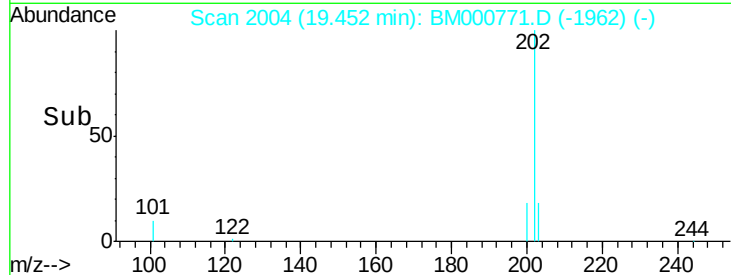
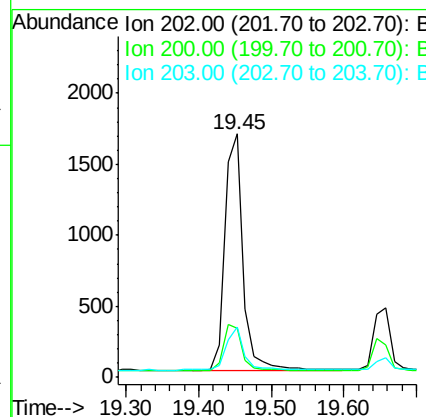
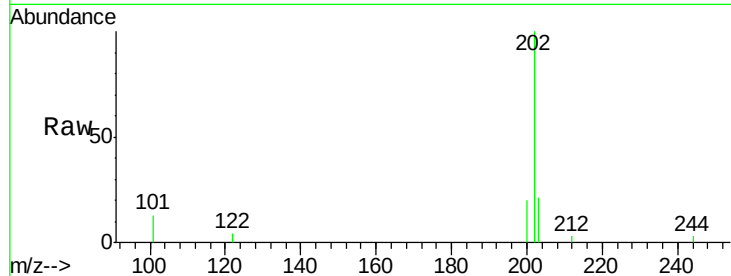
#20
Pyrene
Concen: 0.07 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.9	16.2	24.2
203	17.9	13.9	20.9

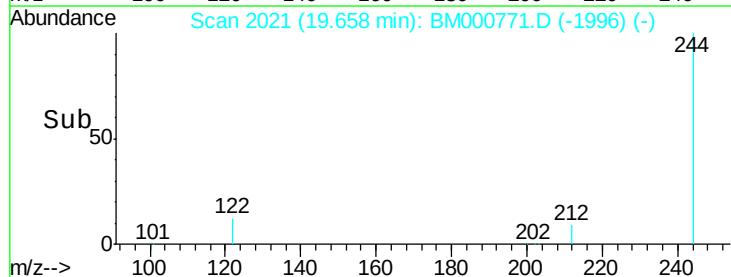
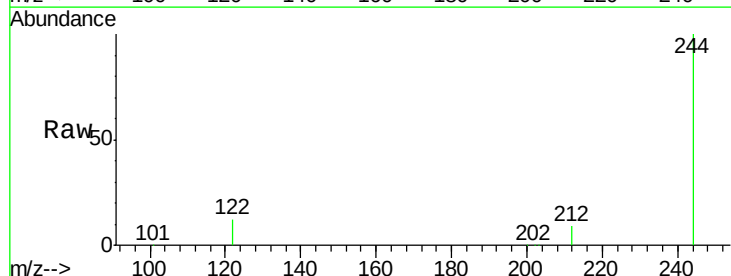
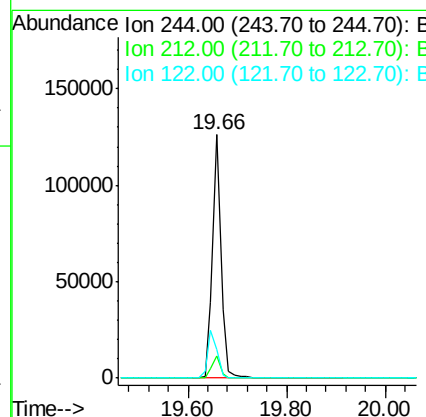
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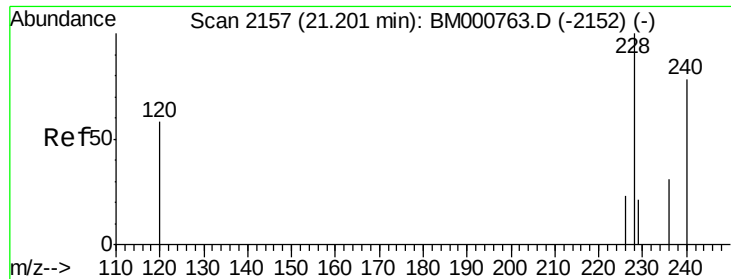
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#21
Terphenyl-d14
Concen: 10.14 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.9	7.8	11.6
122	11.6	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: BM000771.D

Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

ClientSampleId :

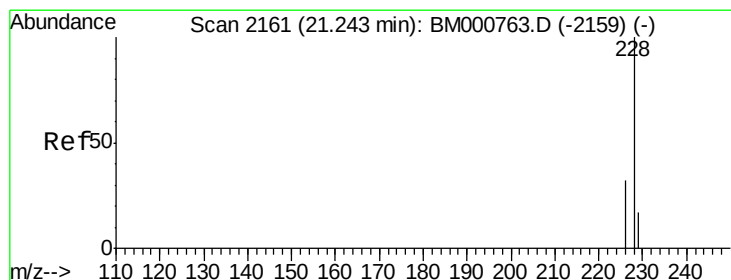
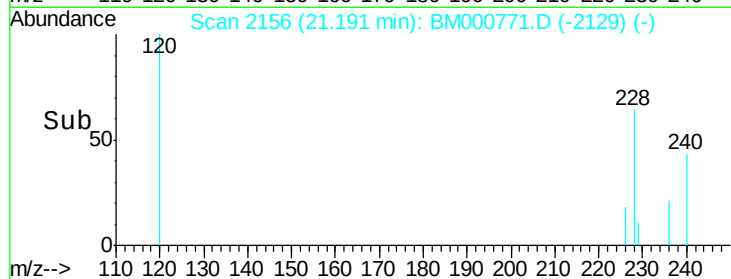
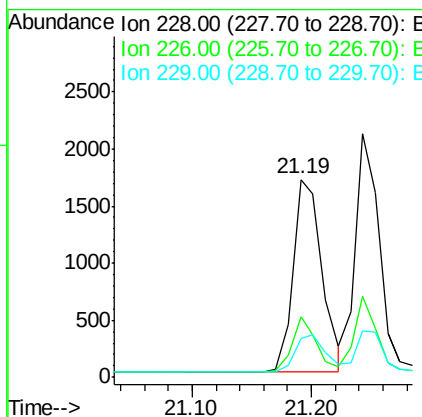
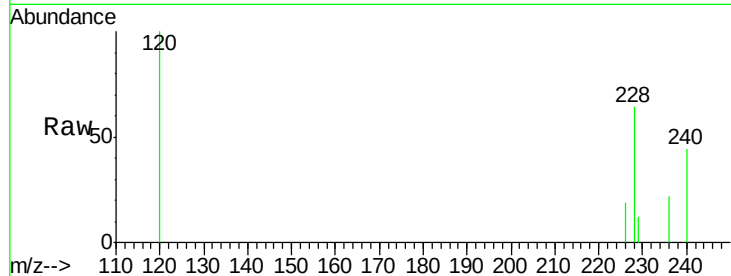
MDL-02-S

Tgt Ion: 228 Resp: 2840

Ion	Ratio	Lower	Upper
228	100		
226	30.4	18.6	27.8#
229	19.5	17.2	25.8

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#23

Chrysene

Concen: 0.08 ng

RT: 21.24 min Scan# 2161

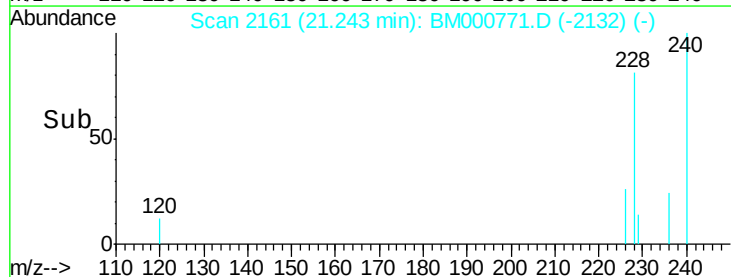
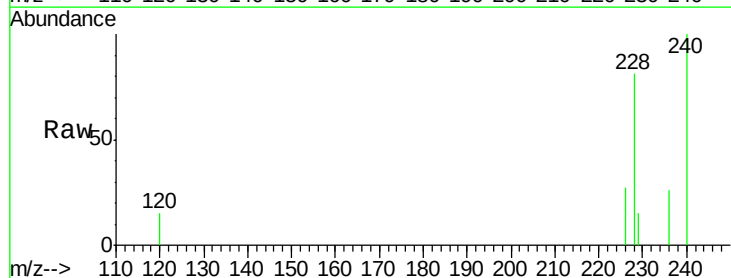
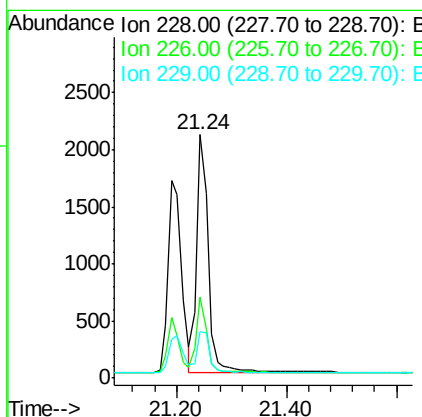
Delta R.T. 0.00 min

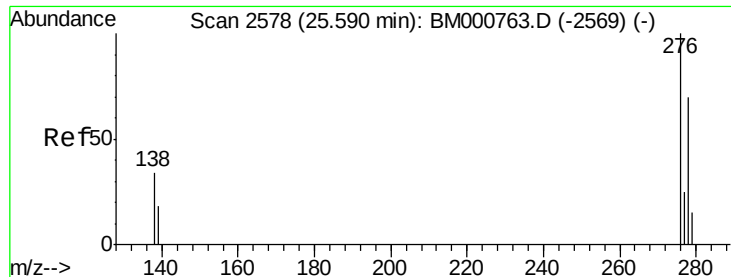
Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Tgt Ion: 228 Resp: 3053

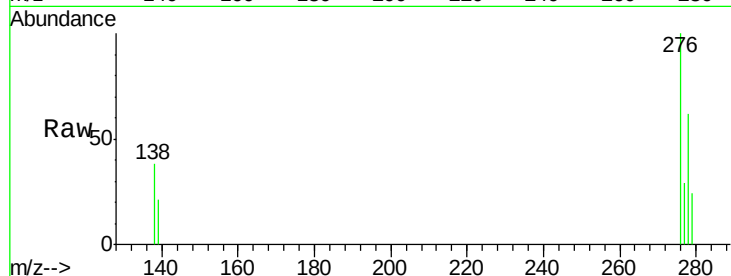
Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.8	38.8
229	18.9	13.8	20.6





#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: BM000771.D
Acq: 01 Apr 2015 02:00

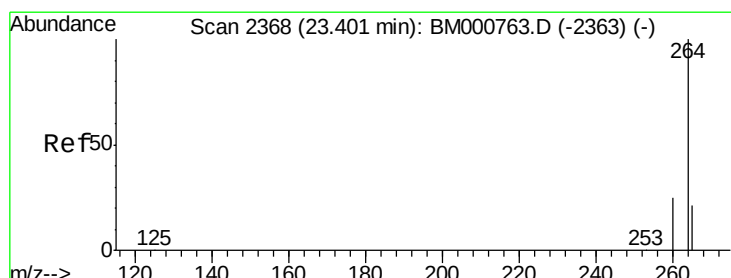
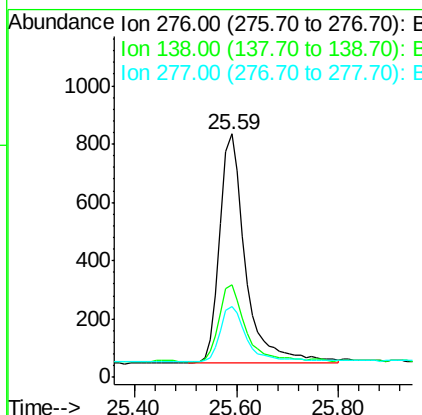
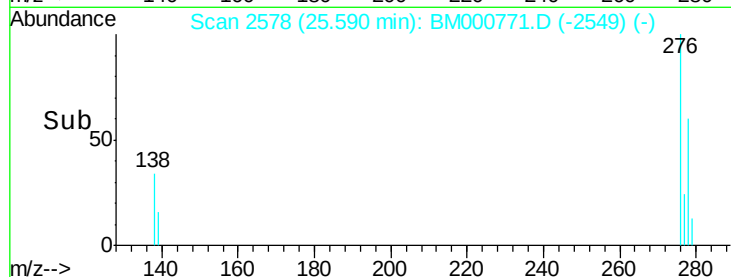
Instrument :
BNA_M
ClientSampleId :
MDL-02-S



Tgt Ion: 276 Resp: 2774
Ion Ratio Lower Upper
276 100
138 34.4 27.4 41.2
277 24.8 19.7 29.5

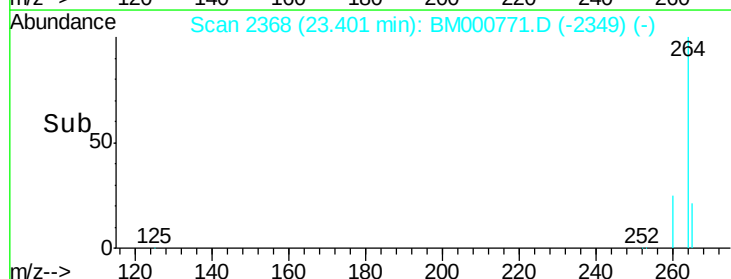
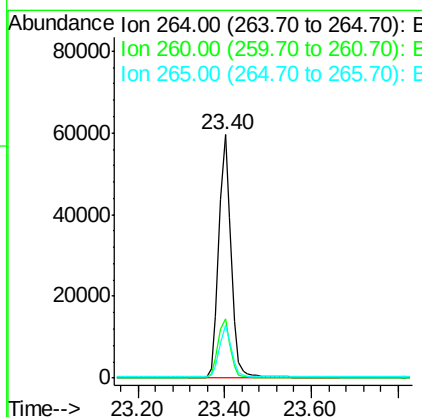
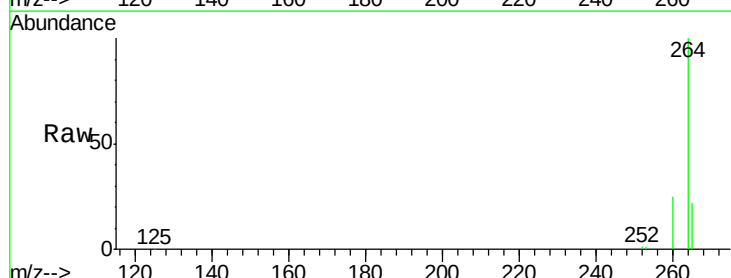
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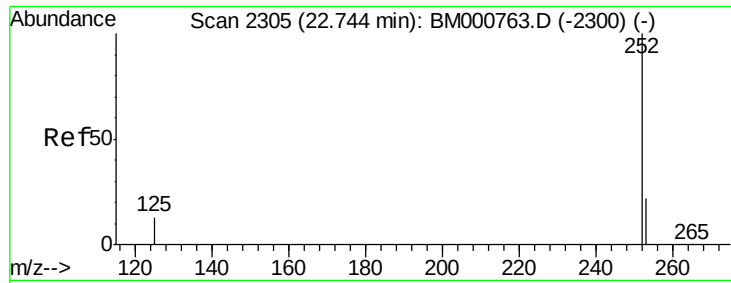
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion: 264 Resp: 116029
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 21.5 17.4 26.0





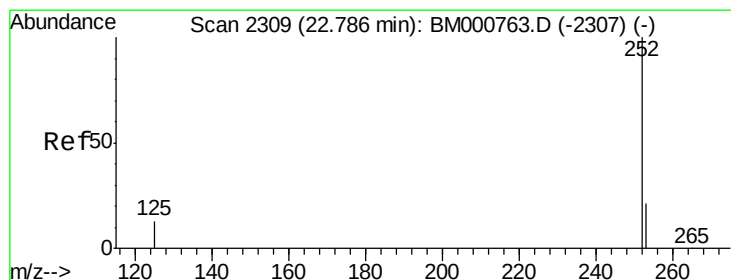
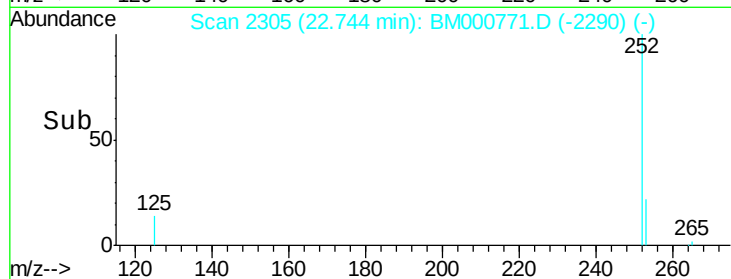
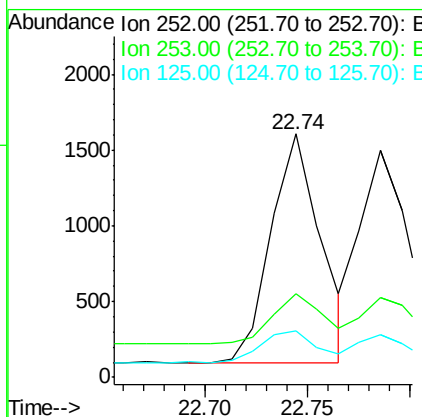
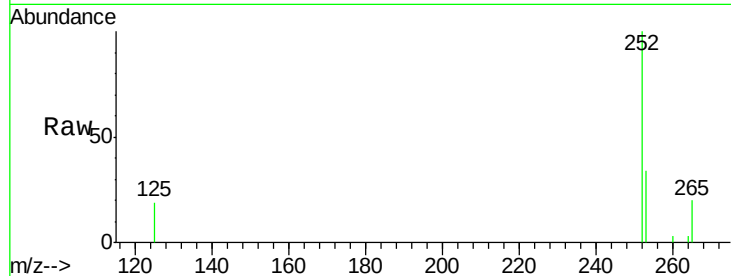
#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.1	18.5	27.7#
125	19.3	10.6	16.0#

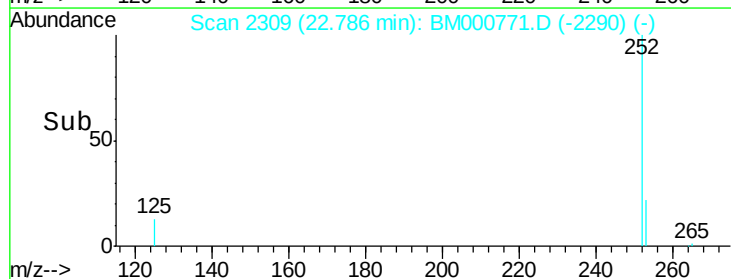
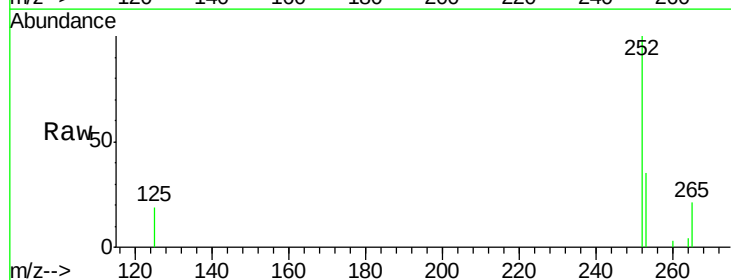
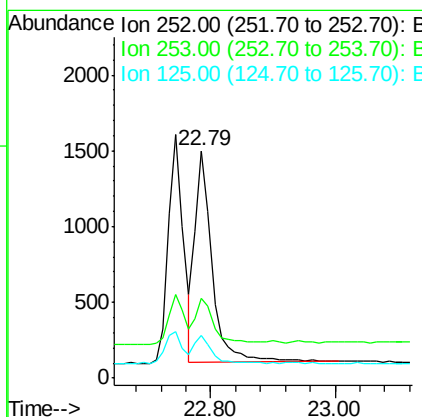
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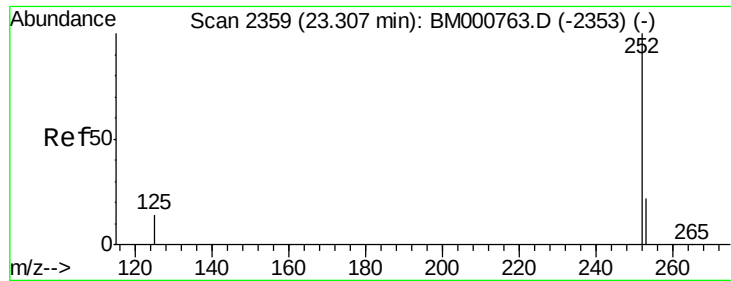
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#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000771.D
Acq: 01 Apr 2015 02:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.9	26.9#
125	18.8	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: BM000771.D

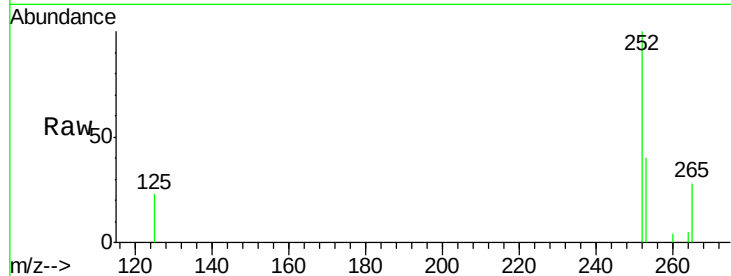
Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

ClientSampleId :

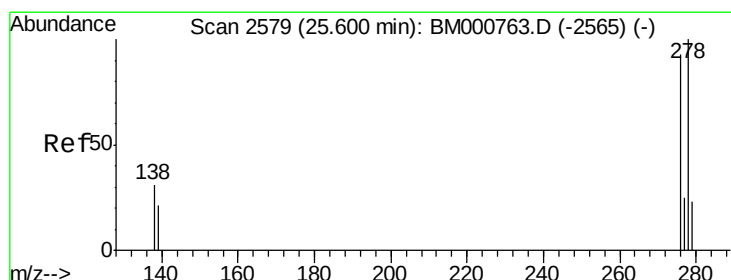
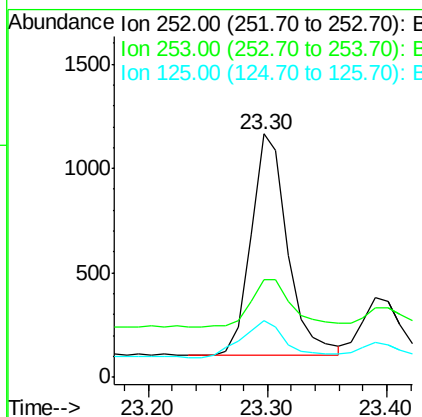
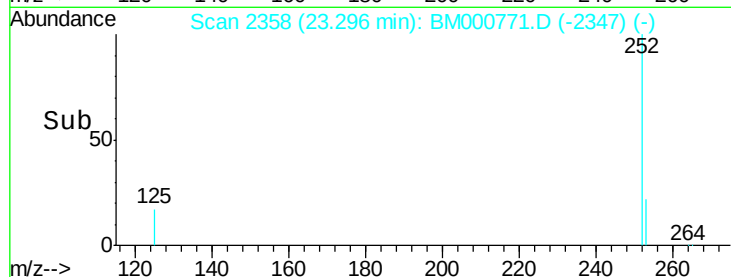
MDL-02-S



Tgt Ion:	252	Resp:	2272
Ion Ratio	Lower	Upper	
252	100		
253	40.1	19.4	29.2#
125	23.4	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

Concen: 0.07 ng

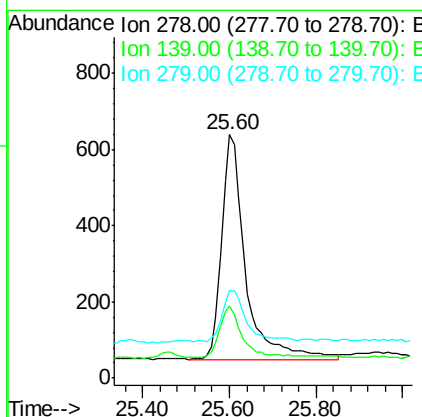
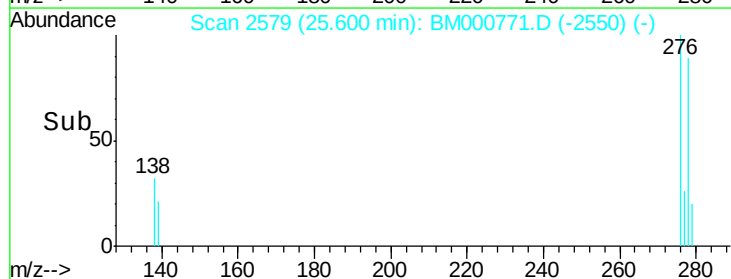
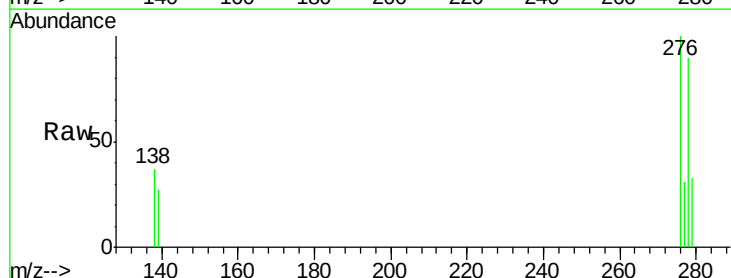
RT: 25.60 min Scan# 2579

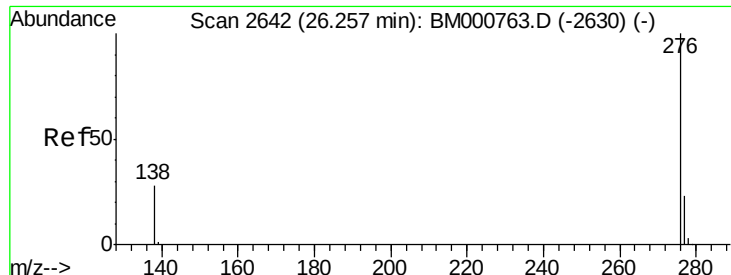
Delta R.T. 0.00 min

Lab File: BM000771.D

Acq: 01 Apr 2015 02:00

Tgt Ion:	278	Resp:	2266
Ion Ratio	Lower	Upper	
278	100		
139	29.7	17.8	26.6#
279	36.2	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: BM000771.D

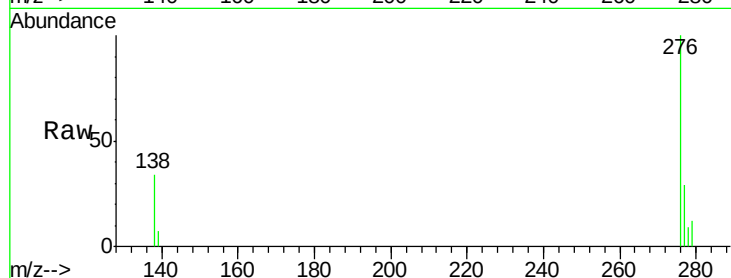
Acq: 01 Apr 2015 02:00

Instrument :

BNA_M

ClientSampleId :

MDL-02-S



Tgt Ion: 276 Resp: 2537

Ion Ratio Lower Upper

276 100

277 28.6 19.1 28.7

138 33.6 23.1 34.7

Manual Integrations

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