

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
 Data File : BM000801.D
 Acq On : 02 Apr 2015 01:18
 Operator : TP/IZ
 Sample : PB82421BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

Manual Integrations
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Quant Time: Apr 02 03:00:31 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	28593	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	99949	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	51074	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	107969	5.00	ng	0.00
19) Chrysene-d12	21.21	240	92794	5.00	ng	0.00
25) Perylene-d12	23.39	264	82852	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	44721	7.31	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	135850	8.57	ng	0.00
21) Terphenyl-d14	19.66	244	107131	9.59	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	19834	6.15	ng	# 93
6) Naphthalene	10.45	128	159264	6.86	ng	99
7) 2-Methylnaphthalene	12.07	142	105843	7.21	ng	92
10) Acenaphthylene	13.98	152	186483	8.25	ng	100
11) Acenaphthene	14.33	154	119551	7.64	ng	94
12) Fluorene	15.32	166	142988	8.16	ng	99
14) Hexachlorobenzene	16.33	284	51231	8.10	ng	# 96
15) Pentachlorophenol	16.68	266	31425	10.61	ng	90
16) Phenanthrene	17.05	178	231073	7.81	ng	99
17) Anthracene	17.13	178	202682m	8.18	ng	
18) Fluoranthene	19.08	202	237492	8.13	ng	100
20) Pyrene	19.44	202	255382	8.44	ng	100
22) Benzo(a)anthracene	21.19	228	227415	8.58	ng	94
23) Chrysene	21.24	228	218013	7.85	ng	95
24) Indeno(1,2,3-cd)pyrene	25.57	276	229327	7.98	ng	100
26) Benzo(b)fluoranthene	22.73	252	211773	8.11	ng	96
27) Benzo(k)fluoranthene	22.78	252	215907	8.62	ng	97
28) Benzo(a)pyrene	23.30	252	202322	9.03	ng	97
29) Dibenzo(a,h)anthracene	25.59	278	185287	8.38	ng	99
30) Benzo(g,h,i)perylene	26.25	276	195217	8.18	ng	99

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

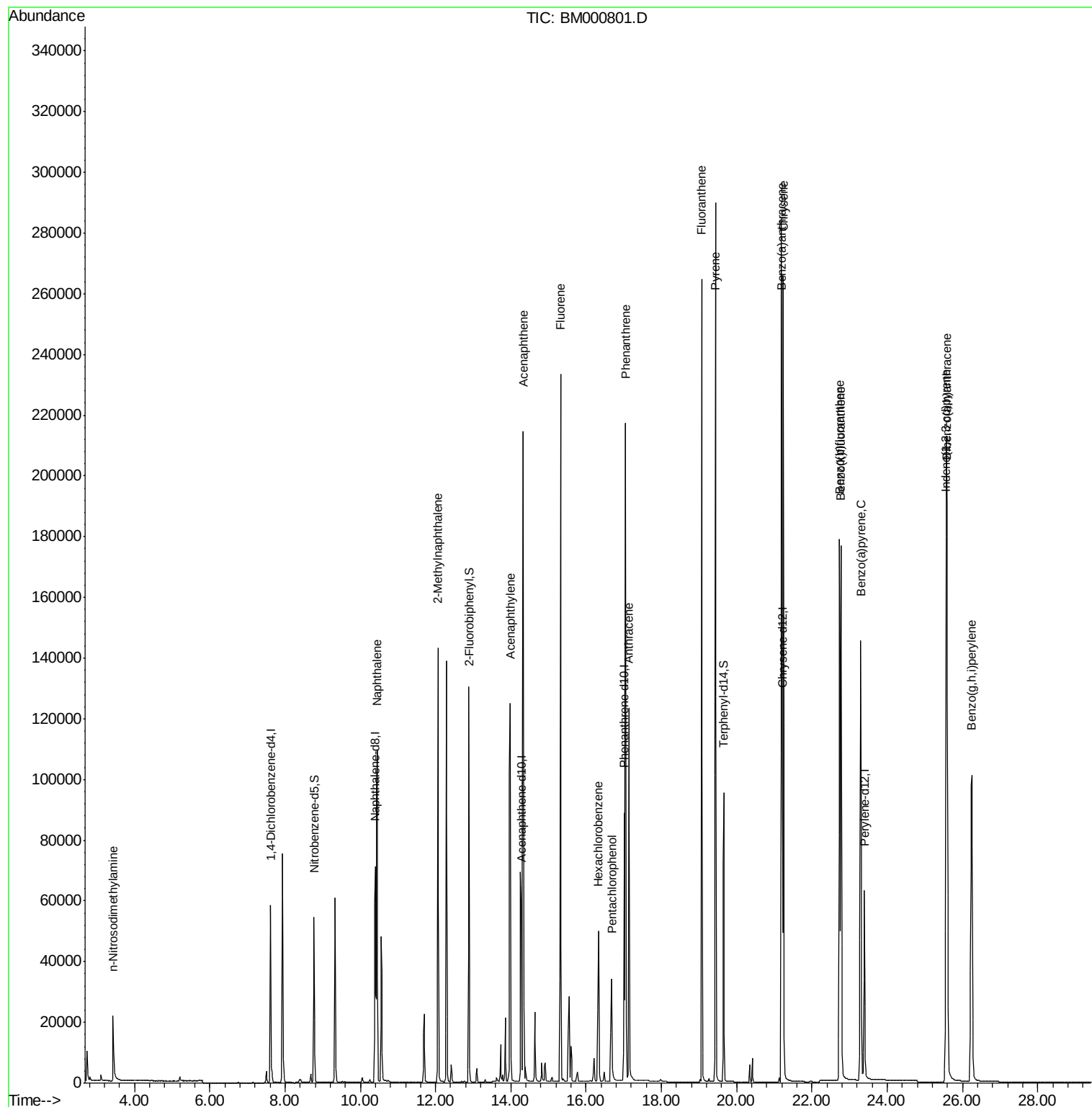
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
Data File : BM000801.D
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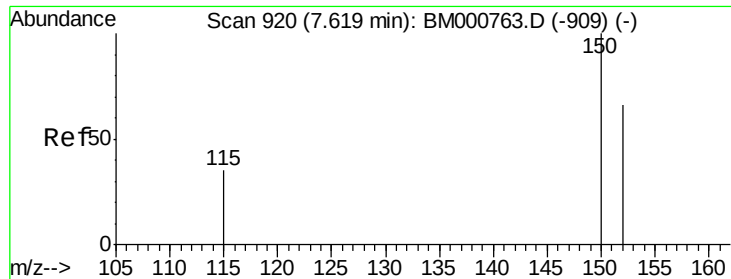
Instrument :
BNA_M
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PB82421BS

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Quant Time: Apr 02 03:00:31 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: BM000801.D

Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

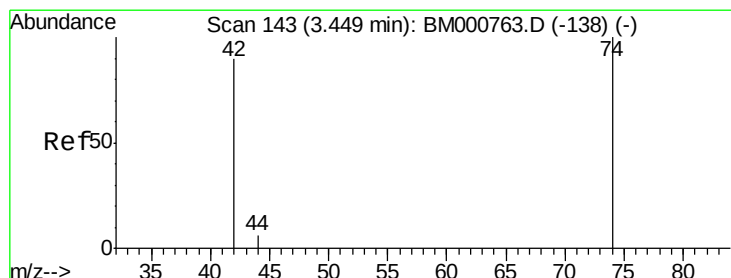
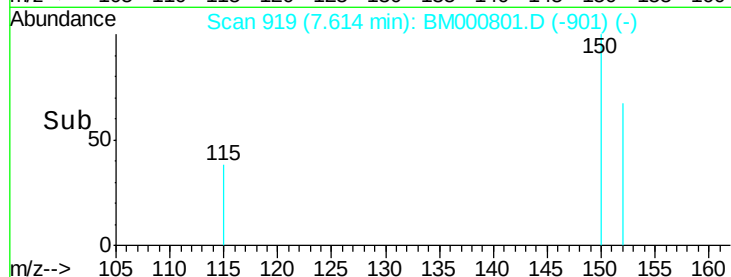
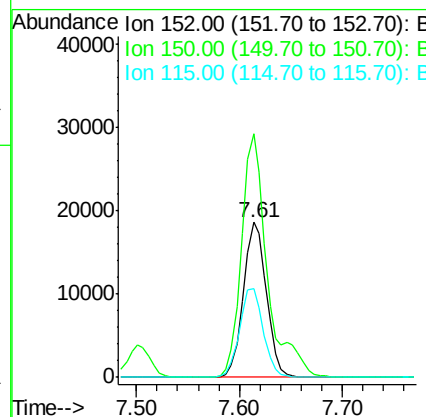
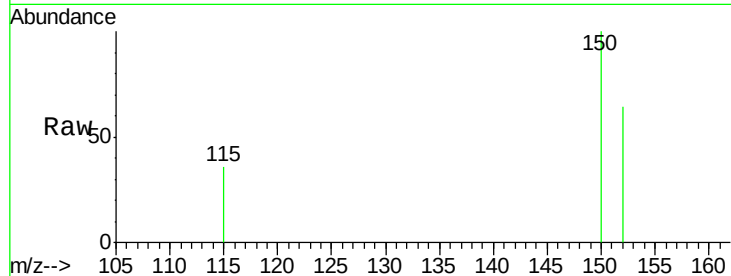
ClientSampleId :

PB82421BS

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Tgt Ion:	152	Resp:	28593
Ion Ratio	Lower	Upper	
152	100		
150	157.1	120.8	181.2
115	57.3	42.7	64.1



#3

n-Nitrosodimethylamine

Concen: 6.15 ng

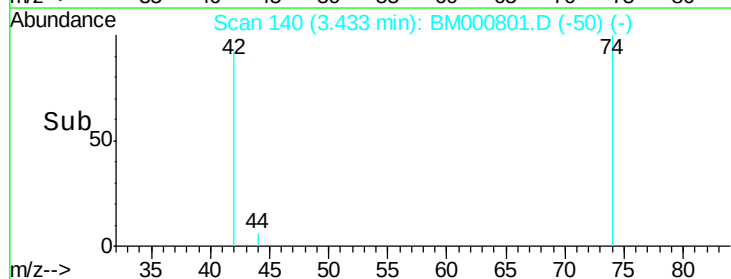
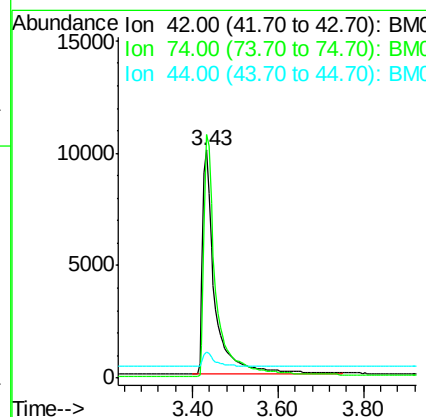
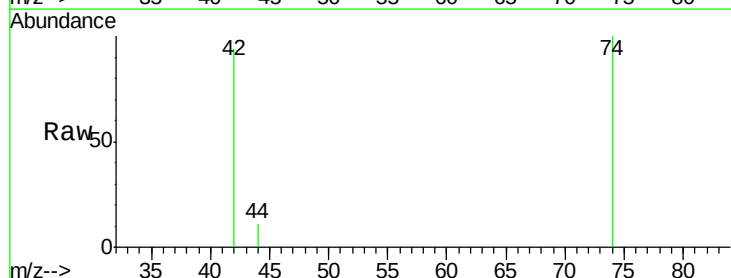
RT: 3.43 min Scan# 140

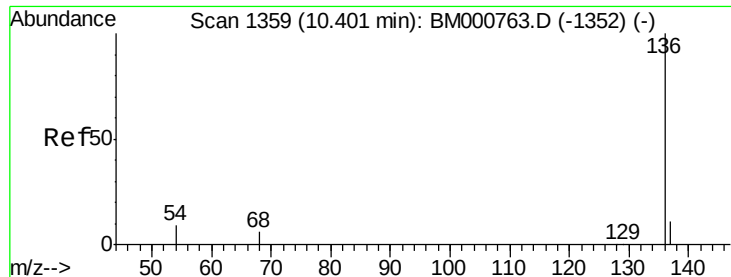
Delta R.T. -0.02 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Tgt Ion:	42	Resp:	19834
Ion Ratio	Lower	Upper	
42	100		
74	109.1	93.6	140.4
44	6.0	6.3	9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

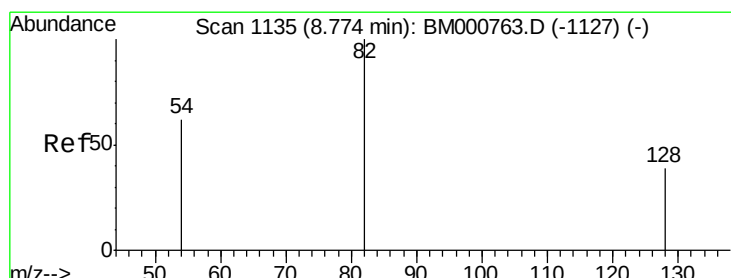
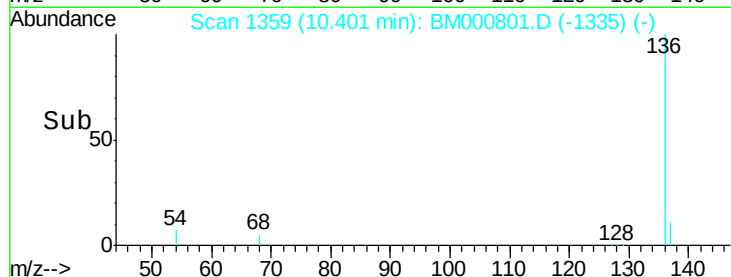
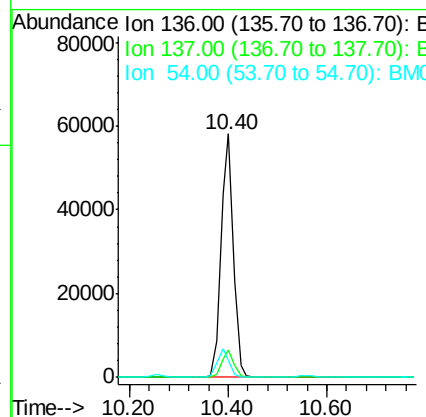
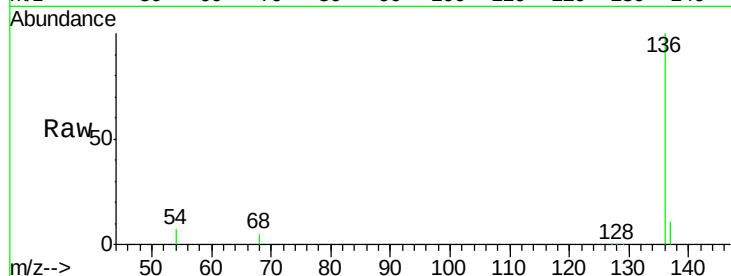
ClientSampleId :

PB82421BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	99949		
137	11.1	8.6	12.8	
54	6.8	7.0	10.6	

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#5

Nitrobenzene-d5

Concen: 7.31 ng

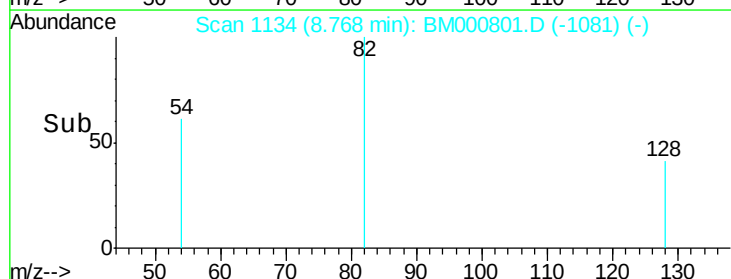
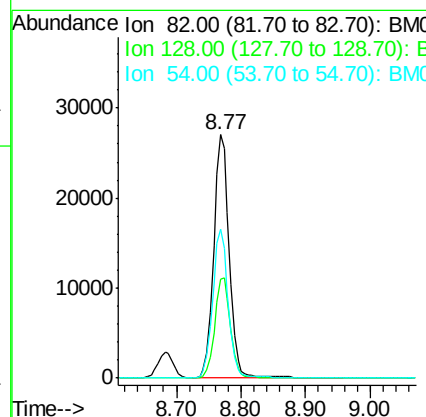
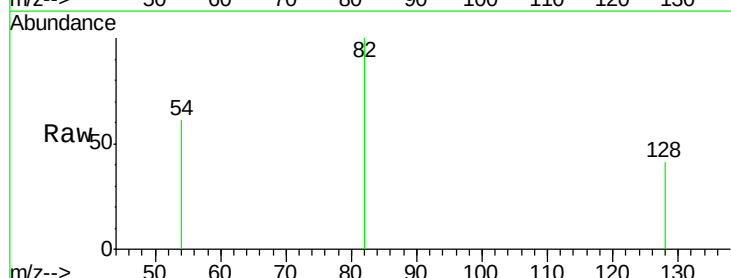
RT: 8.77 min Scan# 1134

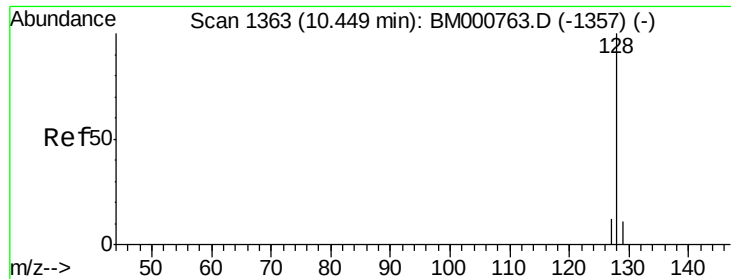
Delta R.T. -0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	44721		
128	40.7	32.2	48.2	
54	61.0	50.2	75.4	





#6

Naphthalene

Concen: 6.86 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000801.D

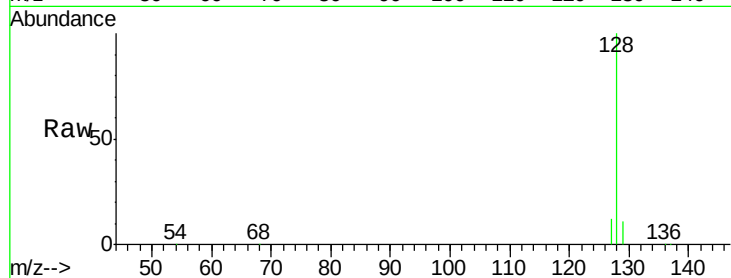
Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

ClientSampleId :

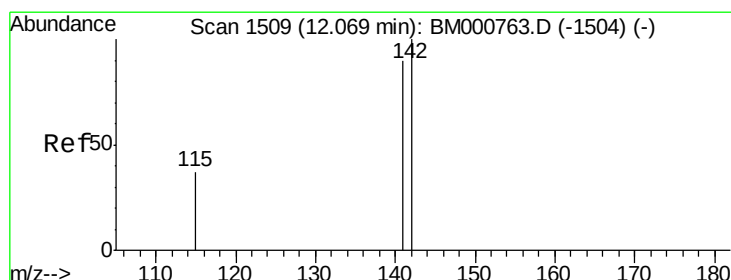
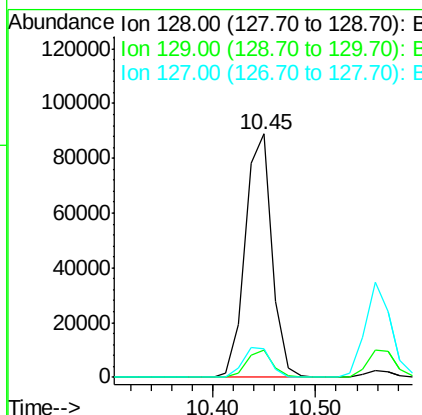
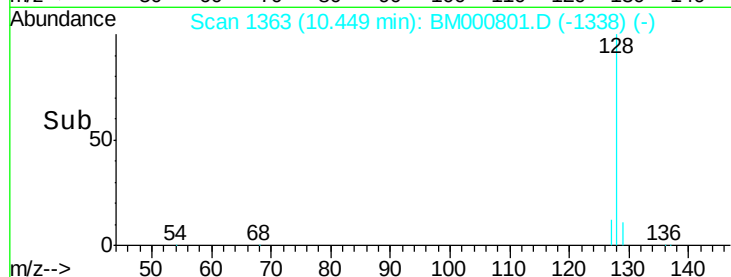
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Tgt Ion:	128	Resp:	159264
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.9	13.3
127	11.6	10.0	15.0

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#7

2-Methylnaphthalene

Concen: 7.21 ng

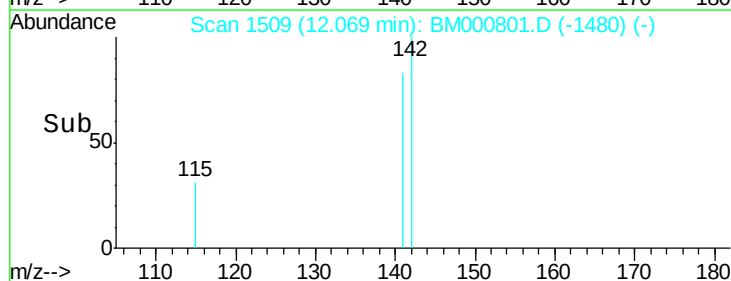
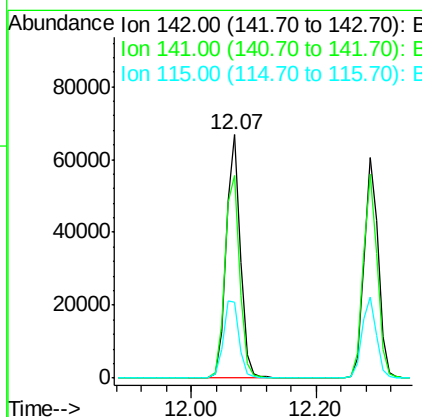
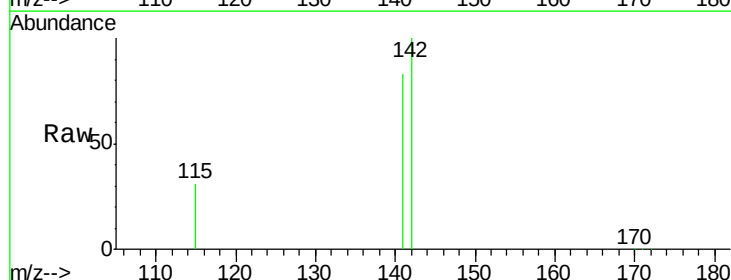
RT: 12.07 min Scan# 1509

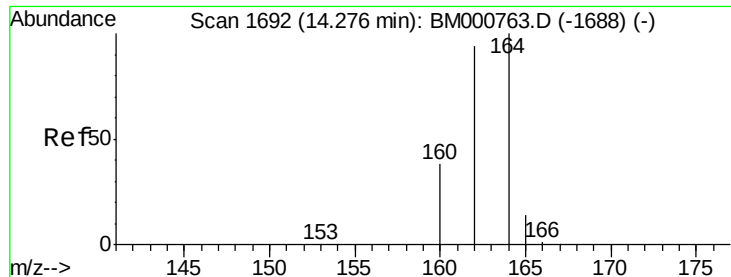
Delta R.T. 0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Tgt Ion:	142	Resp:	105843
Ion Ratio	Lower	Upper	
142	100		
141	83.3	72.3	108.5
115	31.0	29.5	44.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BM000801.D

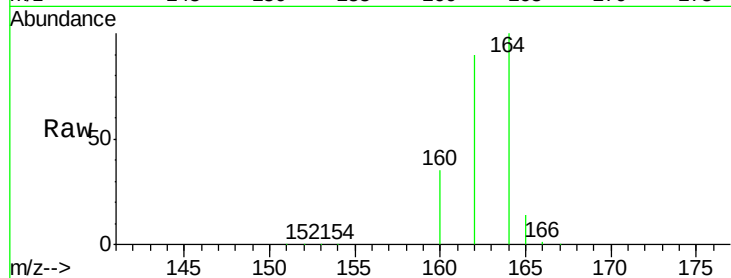
Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

ClientSampleId :

PB82421BS



Tgt Ion:164 Resp: 51074

Ion Ratio Lower Upper

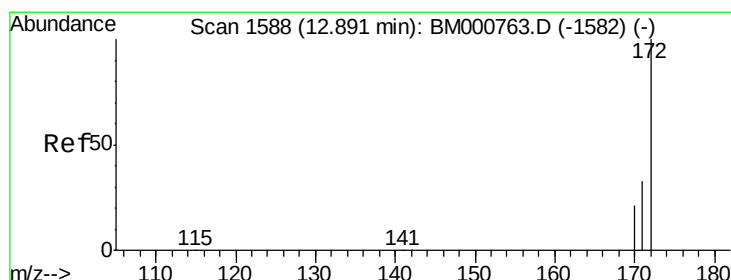
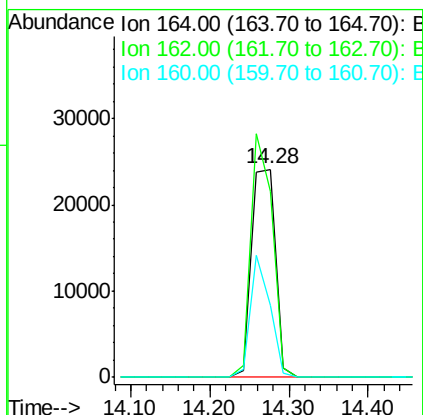
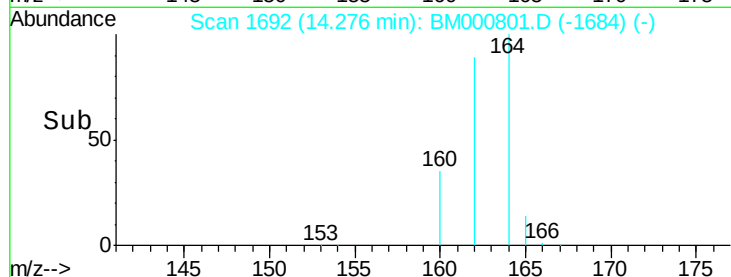
164 100

162 89.5 75.4 113.2

160 34.8 30.8 46.2

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#9

2-Fluorobiphenyl

Concen: 8.57 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

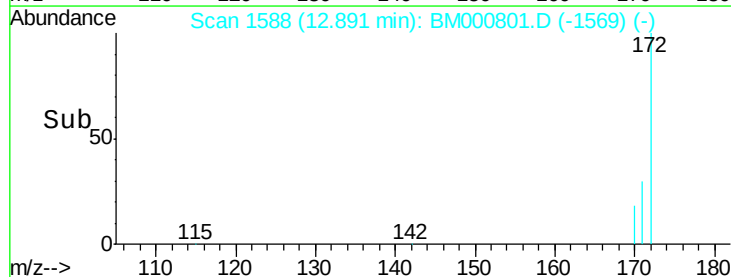
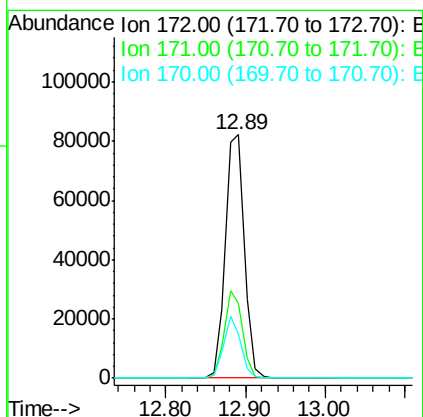
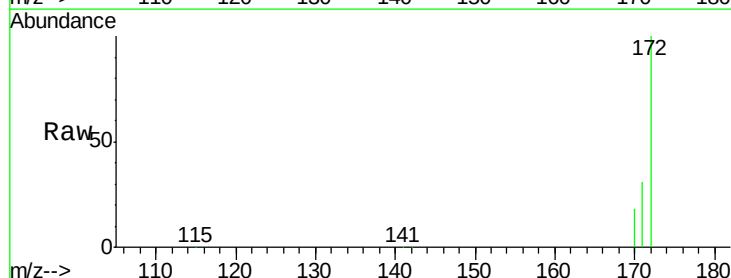
Tgt Ion:172 Resp: 135850

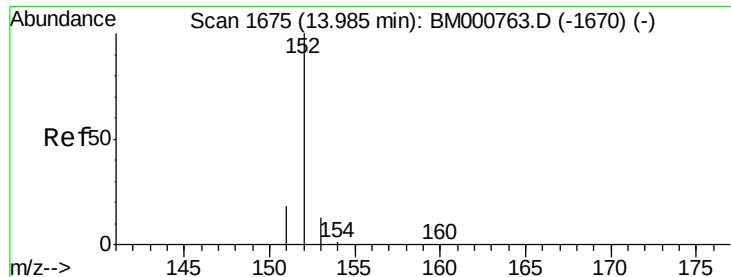
Ion Ratio Lower Upper

172 100

171 30.6 26.6 39.8

170 18.0 17.1 25.7





#10

Acenaphthylene

Concen: 8.25 ng

RT: 13.98 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000801.D

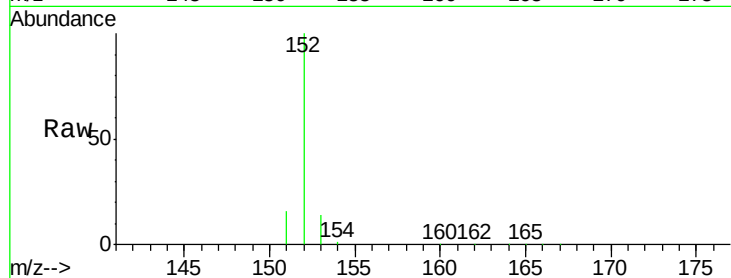
Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

ClientSampleId :

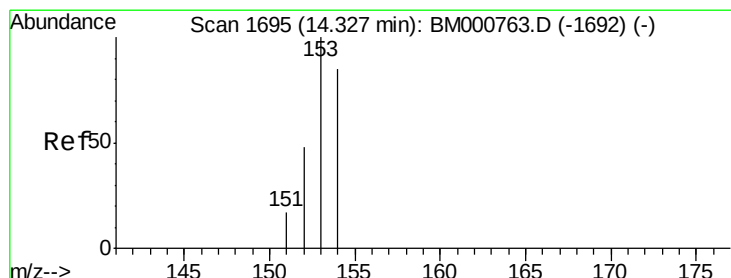
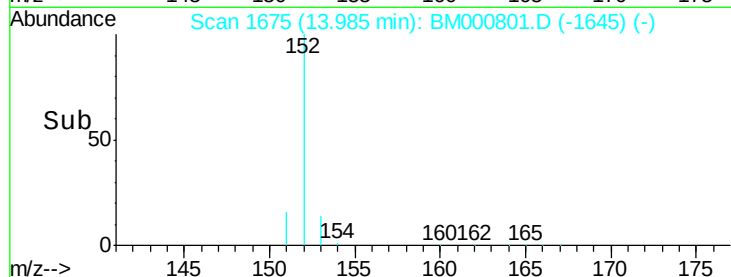
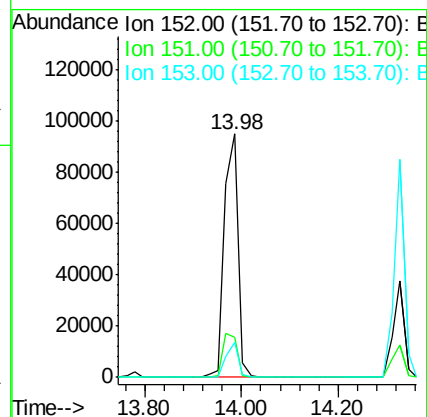
PB82421BS



Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.1	22.7
153	12.9	10.2	15.4

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#11

Acenaphthene

Concen: 7.64 ng

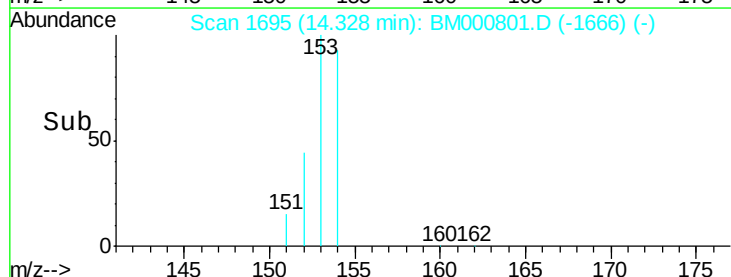
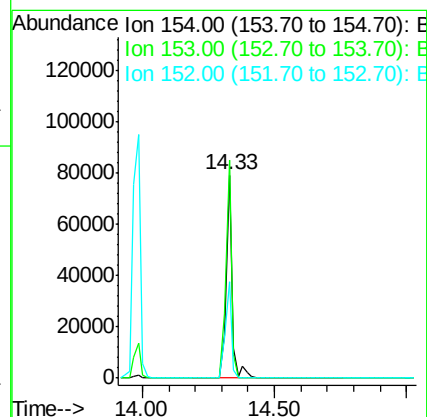
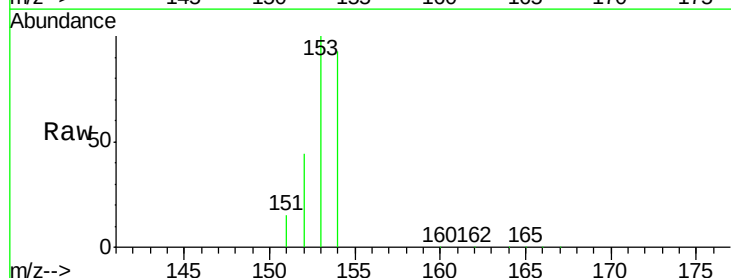
RT: 14.33 min Scan# 1695

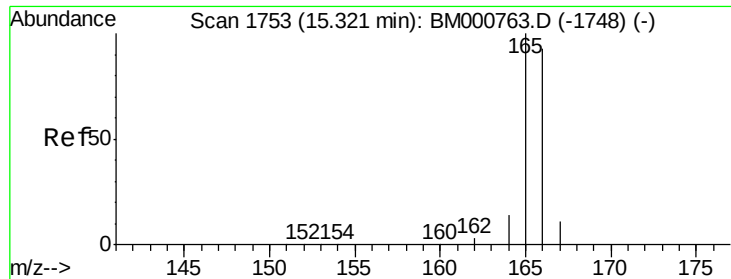
Delta R.T. 0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	102.9	87.3	130.9
152	49.1	43.0	64.6





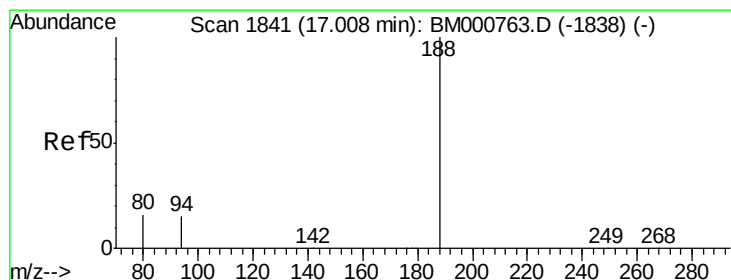
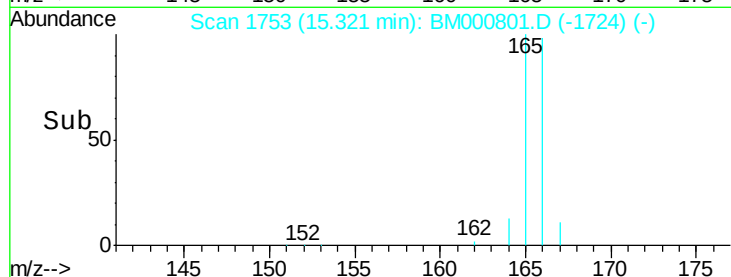
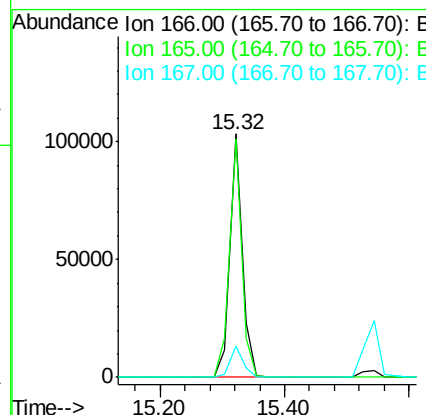
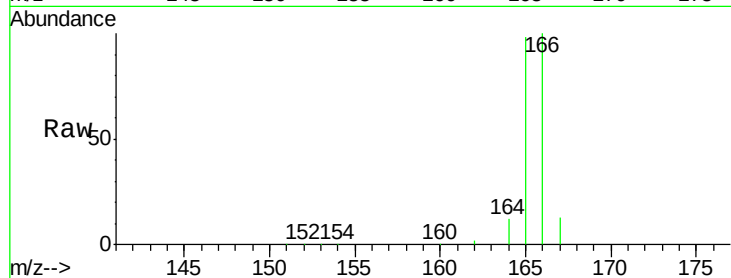
#12
 Fluorene
 Concen: 8.16 ng
 RT: 15.32 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM000801.D
 Acq: 02 Apr 2015 01:18

Instrument :
 BNA_M
 ClientSampleID :
 PB82421BS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	142988		
165	96.9	78.2	117.2	
167	13.2	10.7	16.1	

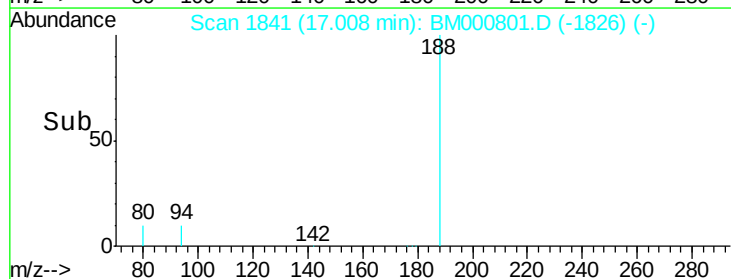
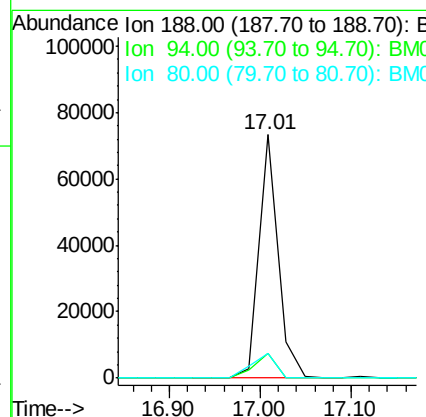
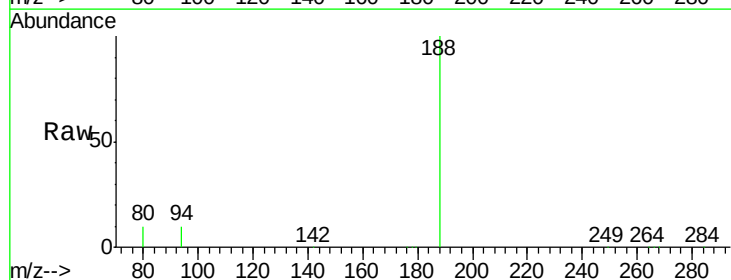
Manual Integrations
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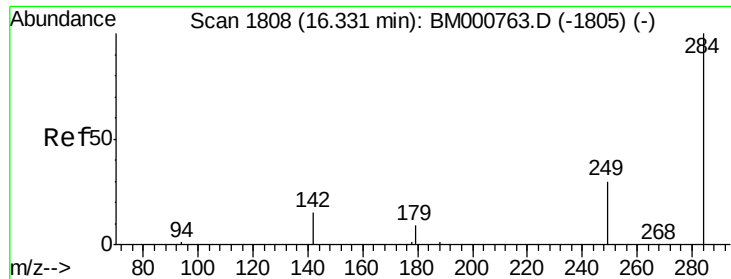
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#13
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.01 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BM000801.D
 Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	107969		
94	10.1	12.0	18.0#	
80	10.1	12.8	19.2#	





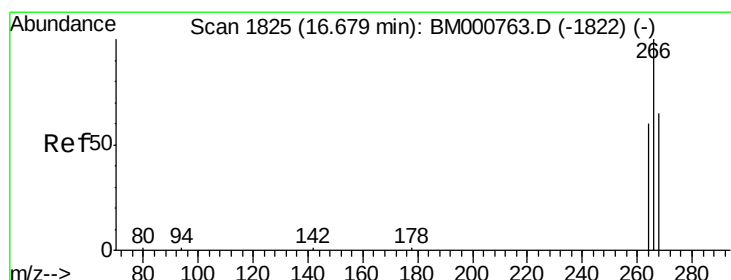
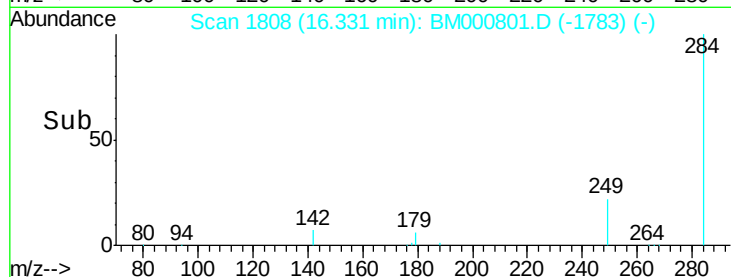
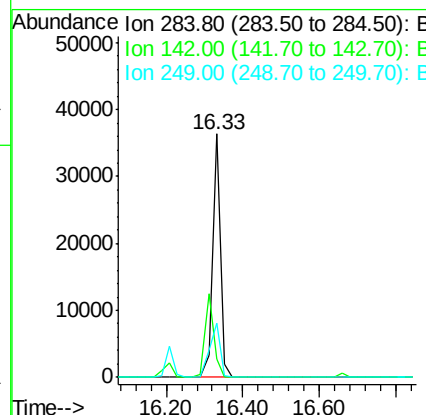
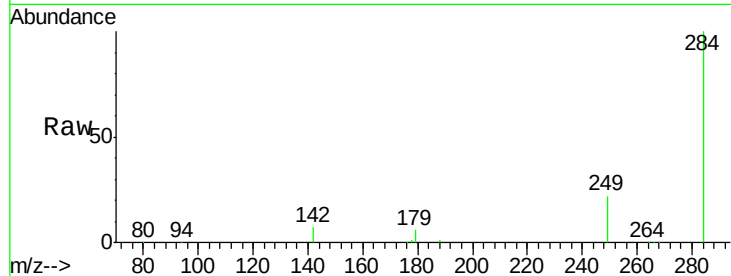
#14
Hexachlorobenzene
Concen: 8.10 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Instrument :
BNA_M
ClientSampleId :
PB82421BS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	51231		
142	0.0	0.0	0.0	0.0
249	29.4	25.2	37.8	

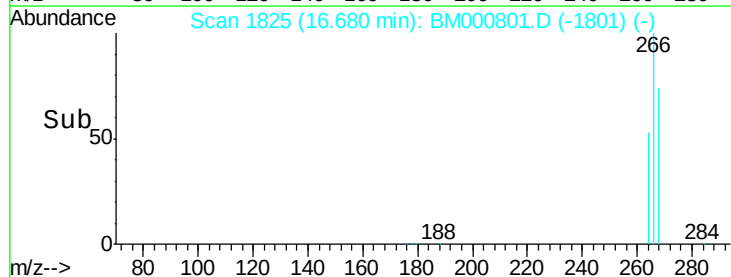
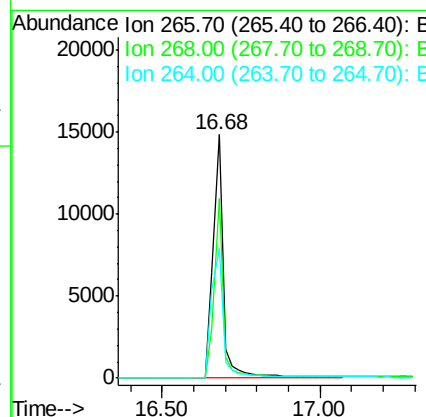
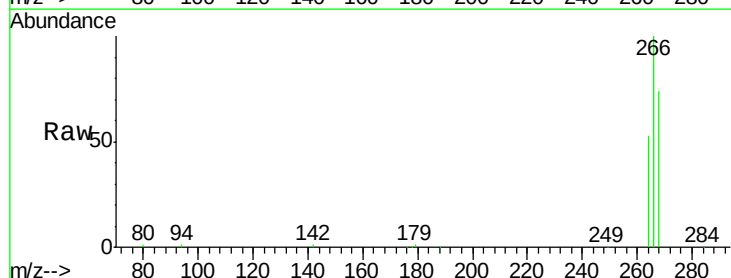
Manual Integrations
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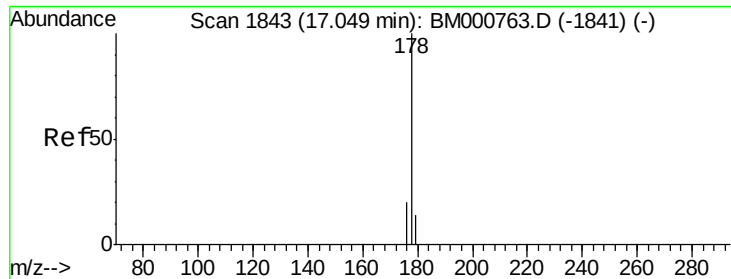
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#15
Pentachlorophenol
Concen: 10.61 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	31425		
268	73.7	55.0	82.6	
264	53.2	51.0	76.4	





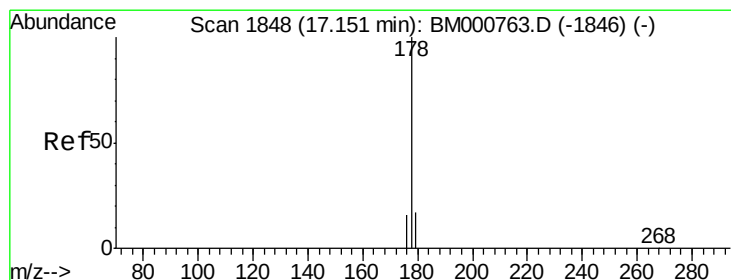
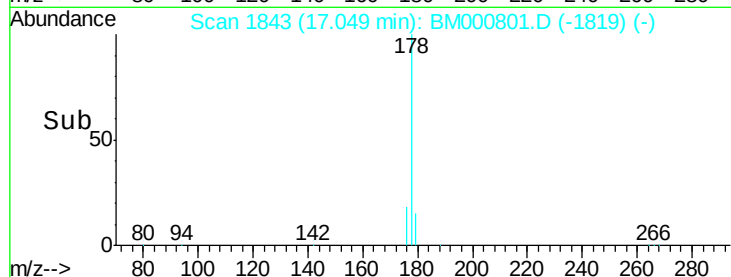
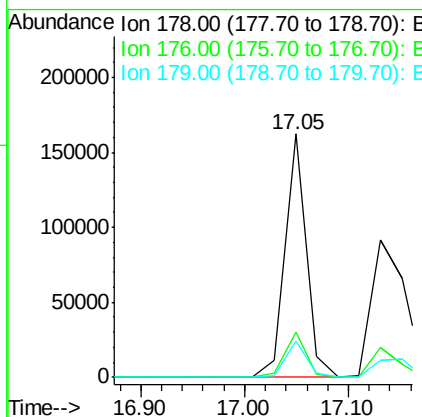
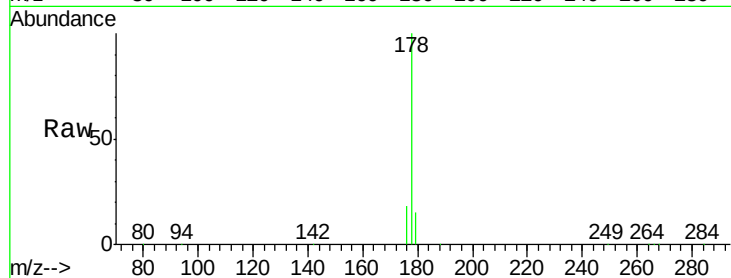
#16
Phenanthrene
Concen: 7.81 ng
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Instrument :
BNA_M
ClientSampleId :
PB82421BS

Tgt Ion:178 Resp: 231073
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.9 12.2 18.2

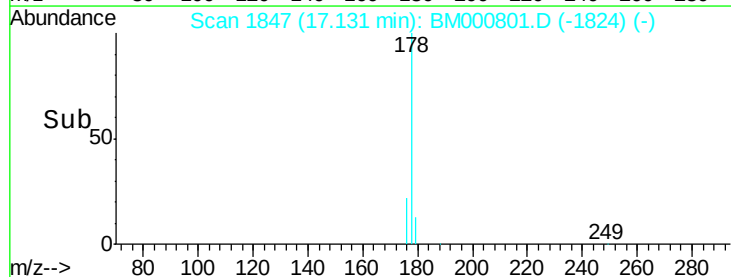
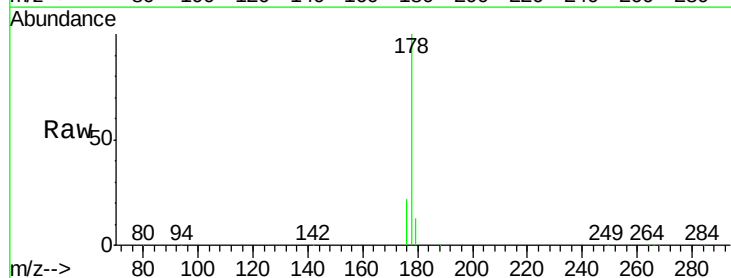
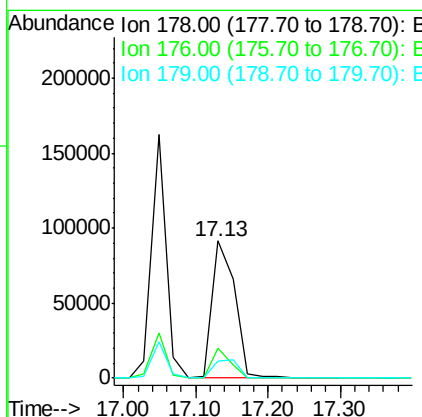
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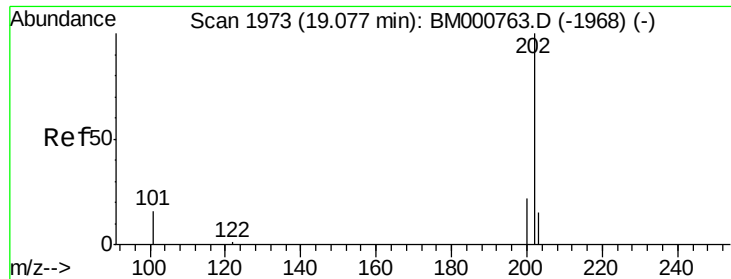
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#17
Anthracene
Concen: 8.18 ng m
RT: 17.13 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Tgt Ion:178 Resp: 202682
Ion Ratio Lower Upper
178 100
176 21.1 14.6 22.0
179 17.0 12.2 18.4





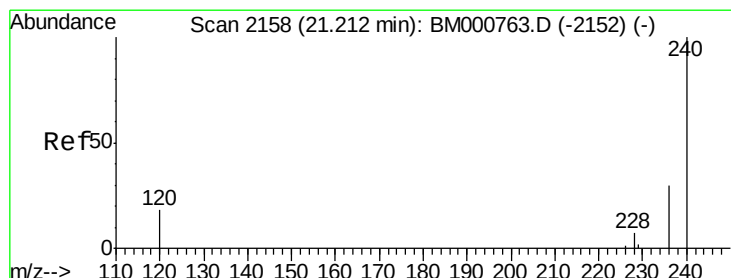
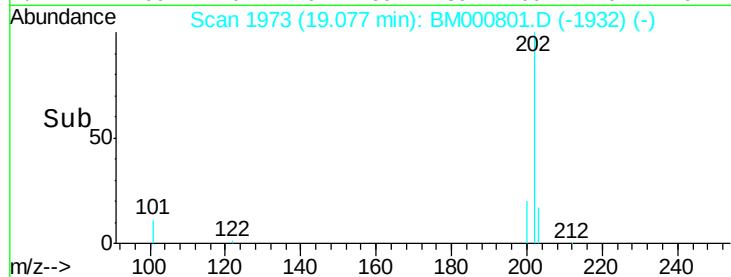
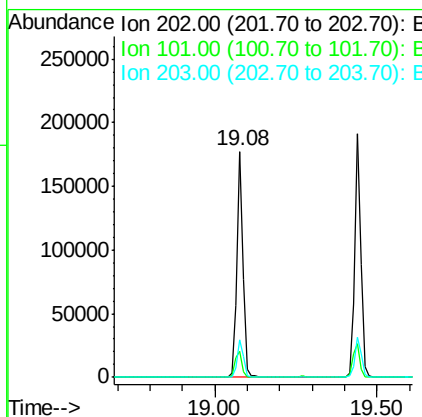
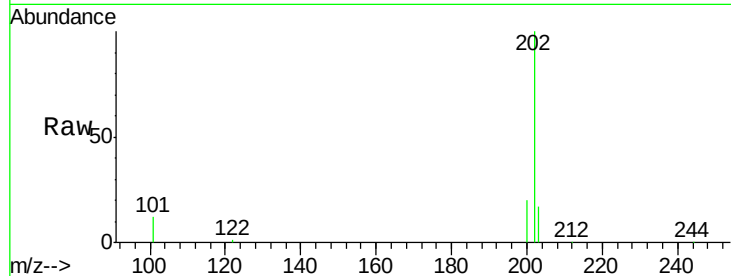
#18
 Fluoranthene
 Concen: 8.13 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000801.D
 Acq: 02 Apr 2015 01:18

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	237492		
101	13.1	10.5	15.7	
203	17.4	13.8	20.8	

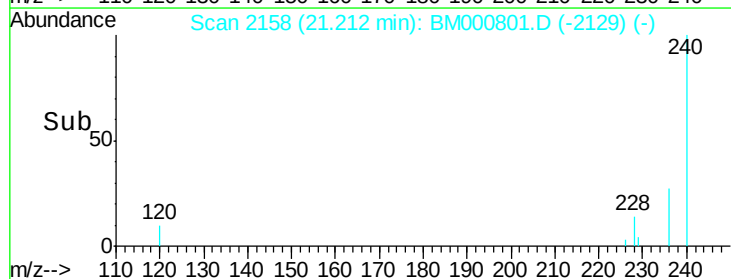
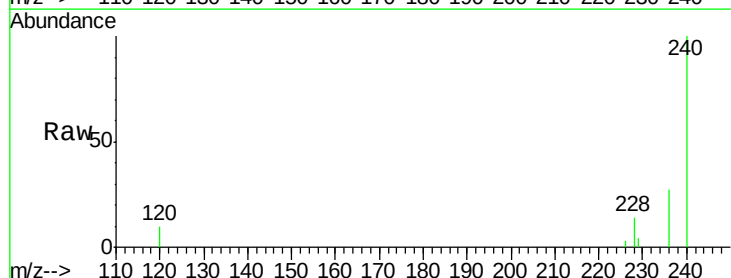
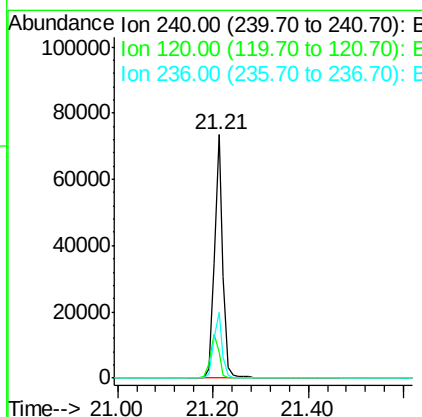
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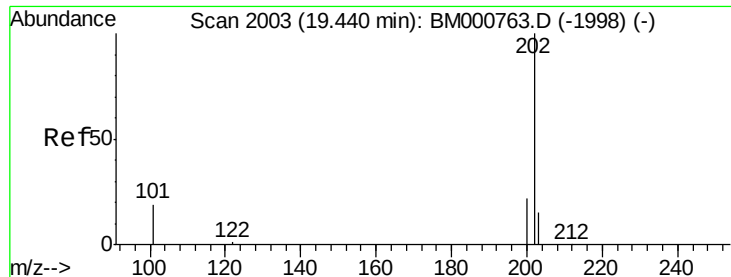
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000801.D
 Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	92794		
120	10.4	14.9	22.3#	
236	26.8	24.2	36.4	





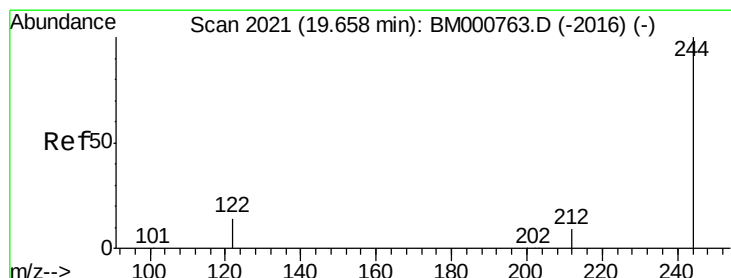
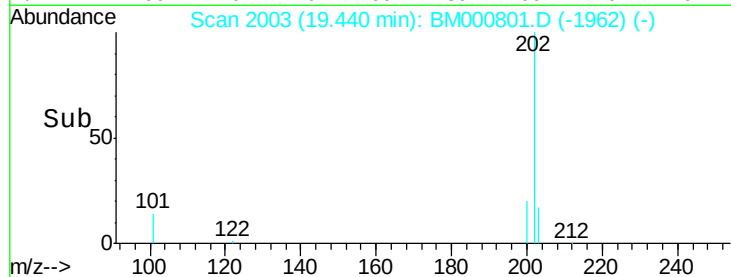
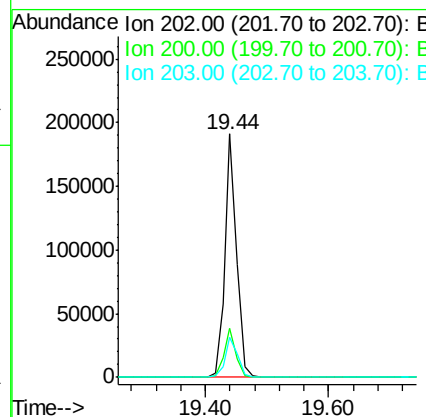
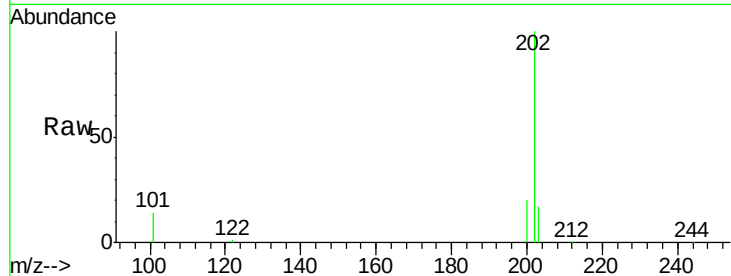
#20
Pyrene
Concen: 8.44 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Instrument :
BNA_M
ClientSampleId :
PB82421BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.2	24.2
203	17.7	13.9	20.9

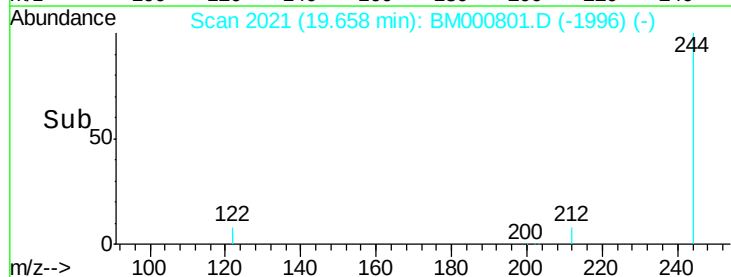
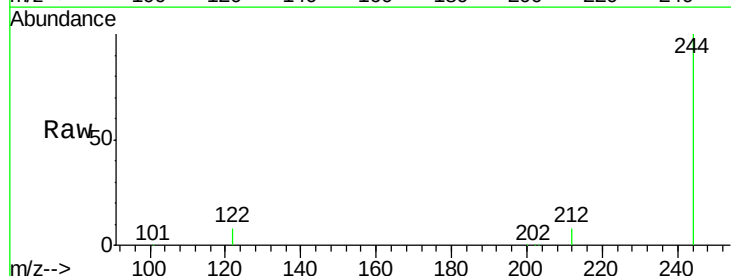
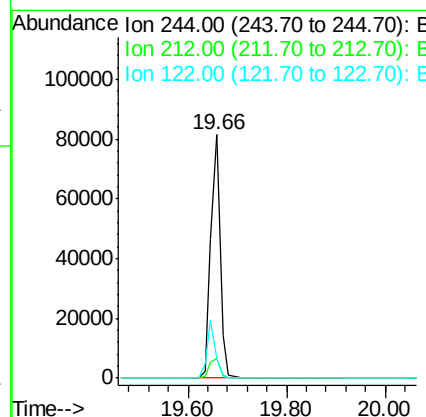
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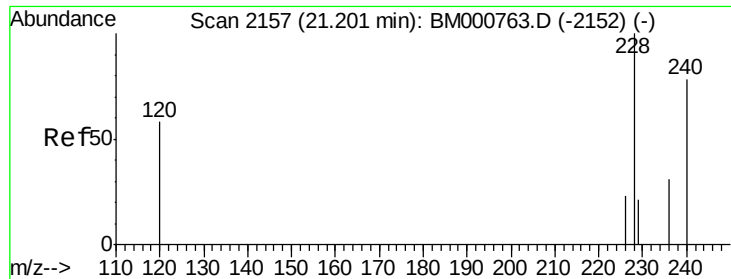
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#21
Terphenyl-d14
Concen: 9.59 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

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





#22

Benzo(a)anthracene

Concen: 8.58 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000801.D

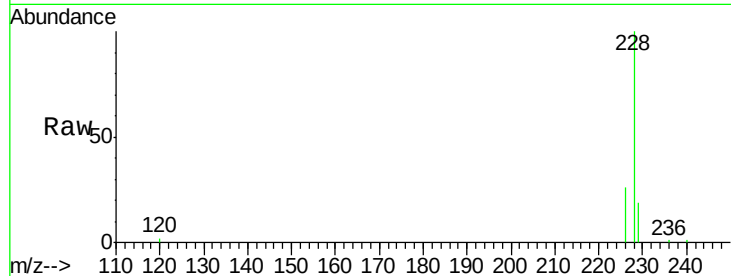
Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

ClientSampleId :

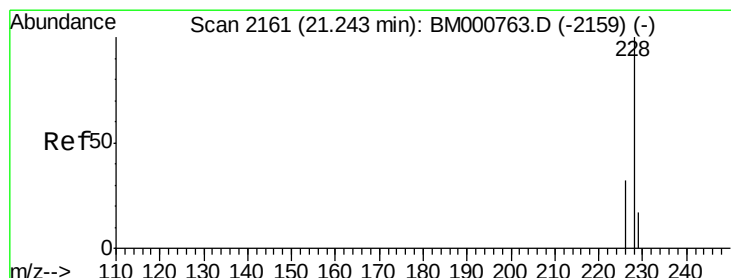
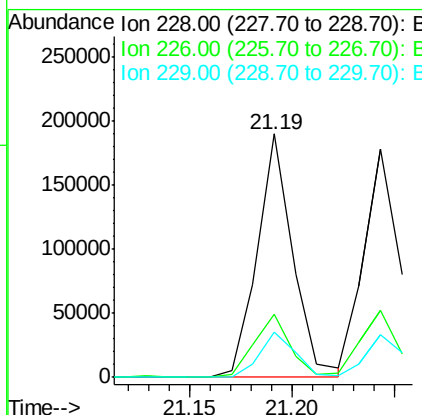
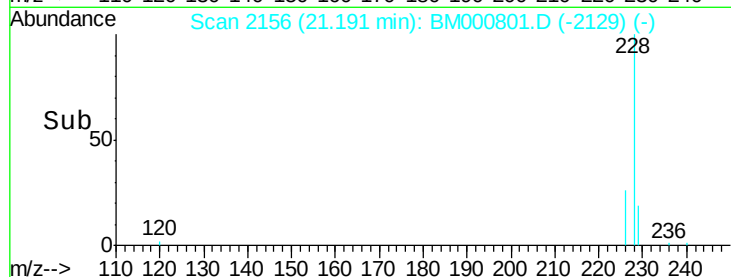
PB82421BS



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	18.6	27.8
229	18.7	17.2	25.8

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#23

Chrysene

Concen: 7.85 ng

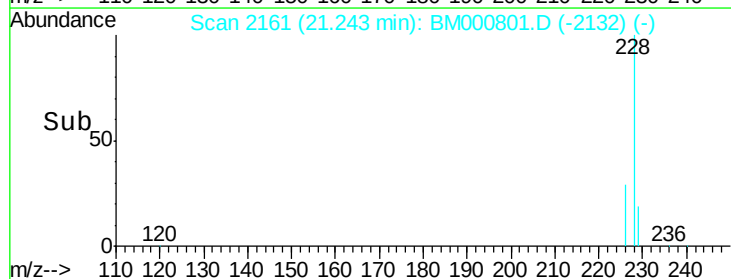
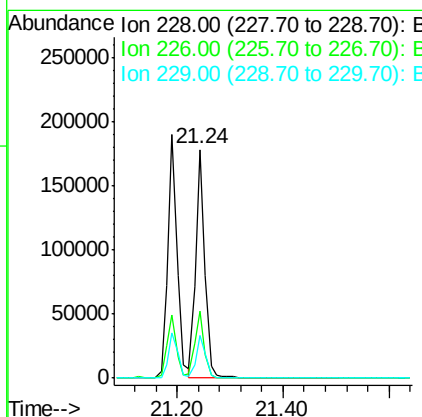
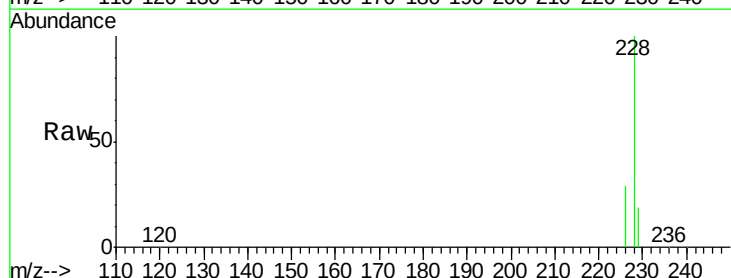
RT: 21.24 min Scan# 2161

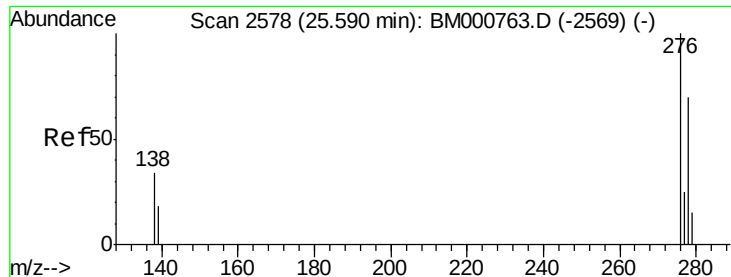
Delta R.T. 0.00 min

Lab File: BM000801.D

Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.8	38.8
229	18.9	13.8	20.6





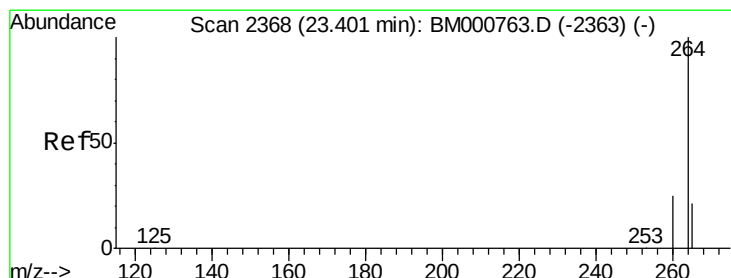
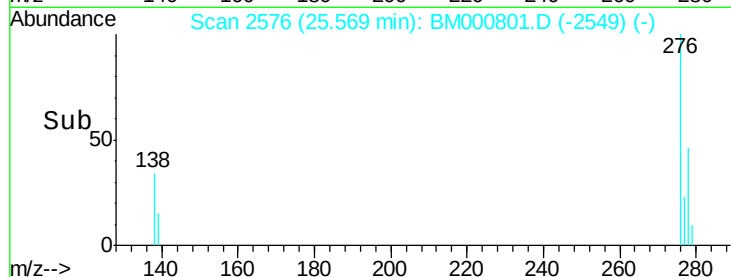
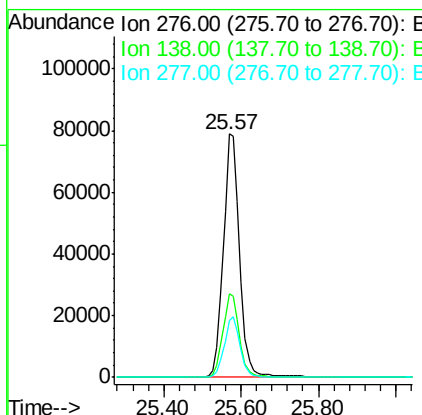
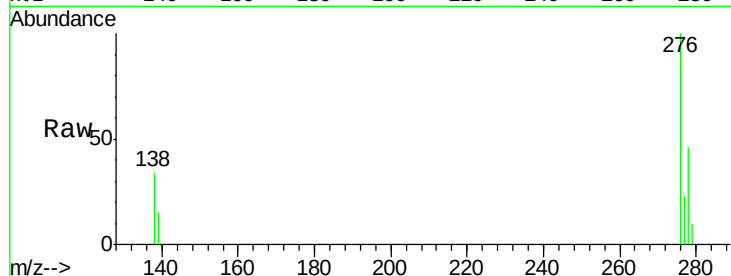
#24
Indeno(1,2,3-cd)pyrene
Concen: 7.98 ng
RT: 25.57 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Instrument :
BNA_M
ClientSampleId :
PB82421BS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	229327		
138	34.7		27.4	41.2
277	24.5		19.7	29.5

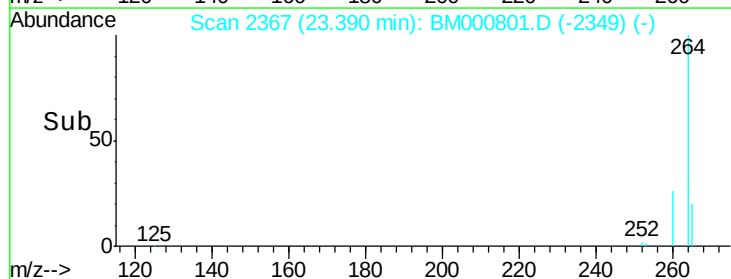
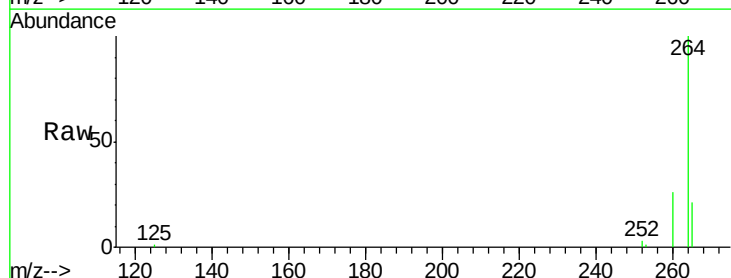
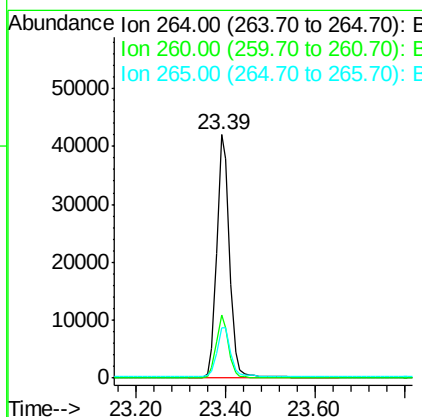
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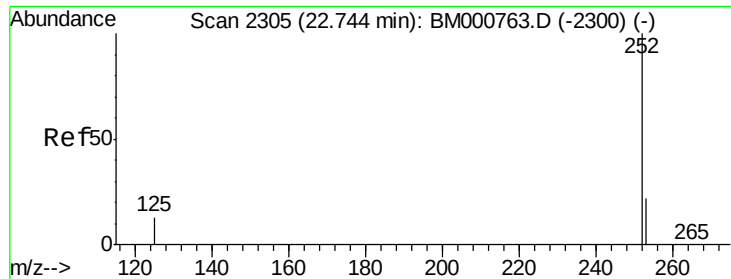
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 2367
Delta R.T. -0.01 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	82852		
260	25.9		20.1	30.1
265	20.6		17.4	26.0





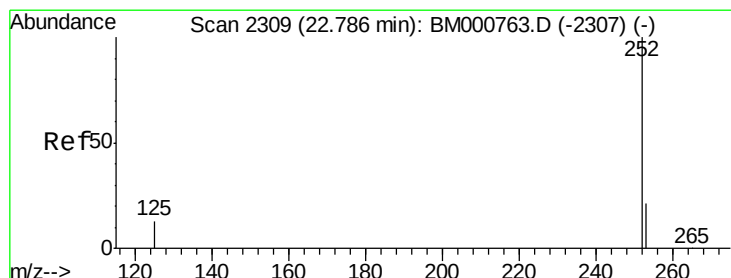
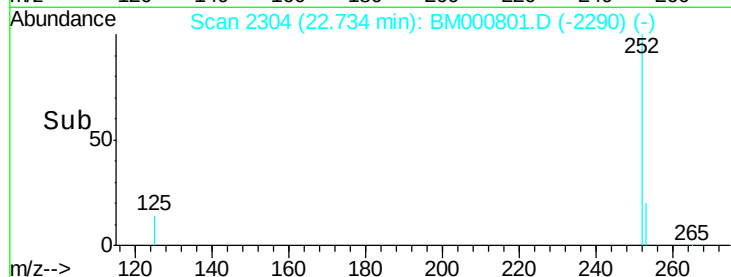
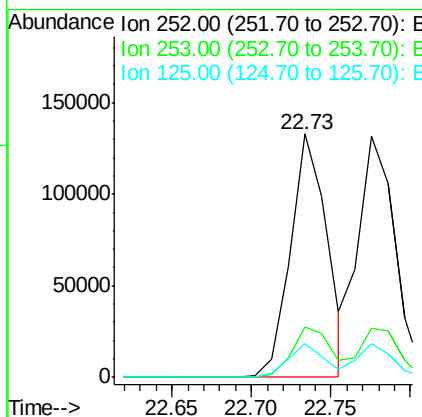
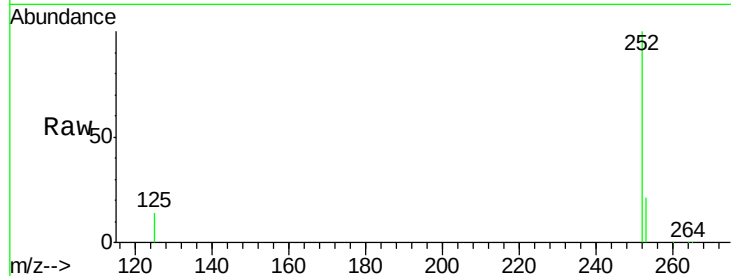
#26
Benzo(b)fluoranthene
Concen: 8.11 ng
RT: 22.73 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Instrument :
BNA_M
ClientSampleId :
PB82421BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.5	27.7
125	13.9	10.6	16.0

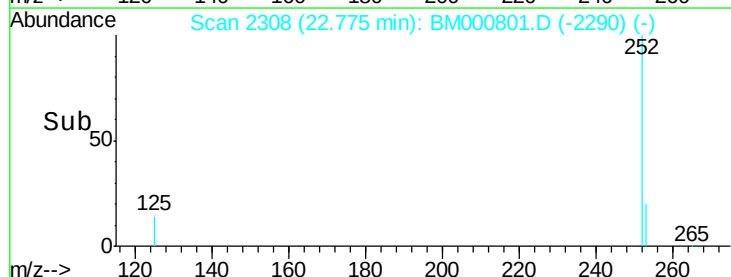
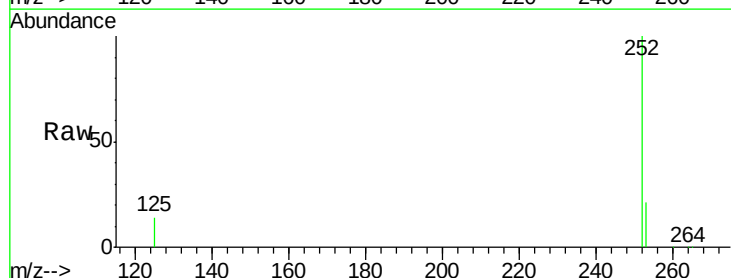
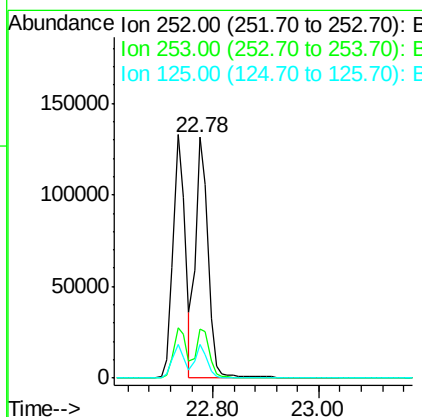
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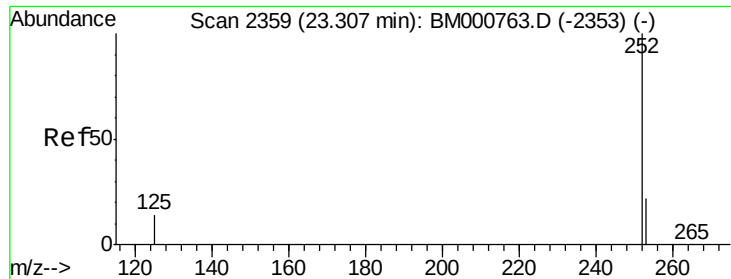
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#27
Benzo(k)fluoranthene
Concen: 8.62 ng
RT: 22.78 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BM000801.D
Acq: 02 Apr 2015 01:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.9	26.9
125	14.0	10.8	16.2





#28

Benzo(a)pyrene

Concen: 9.03 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000801.D

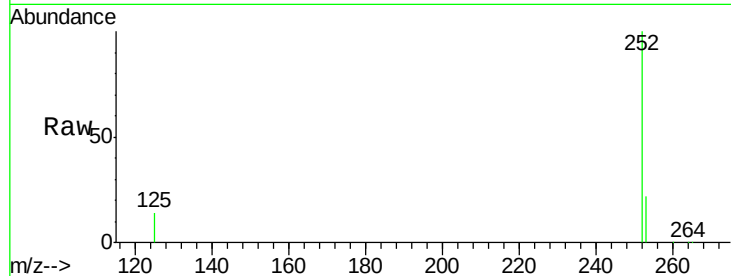
Acq: 02 Apr 2015 01:18

Instrument :

BNA_M

ClientSampleId :

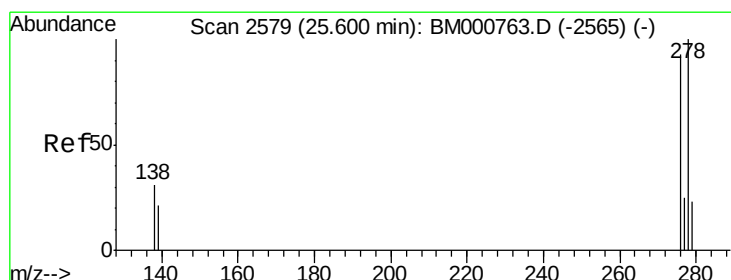
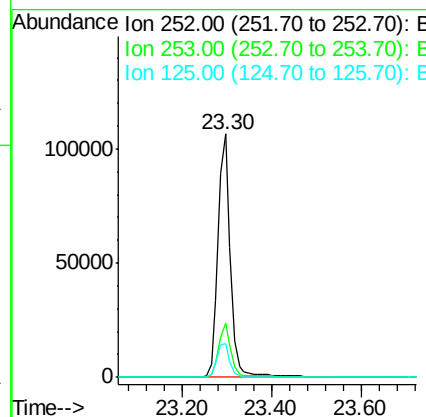
PB82421BS



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	202322		
253	22.2	19.4	29.2	
125	14.1	11.5	17.3	

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#29

Dibenzo(a,h)anthracene

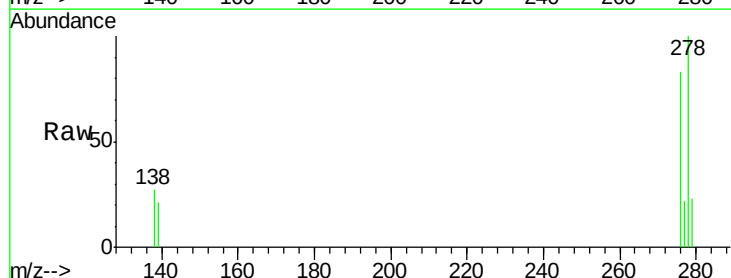
Concen: 8.38 ng

RT: 25.59 min Scan# 2578

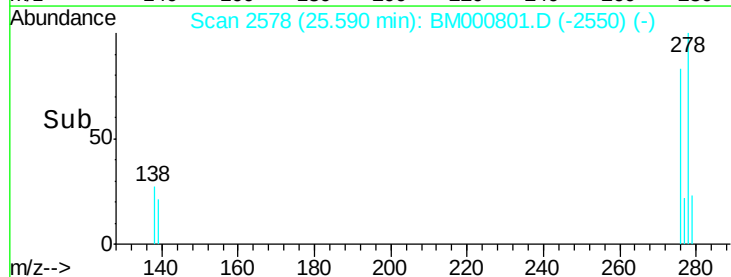
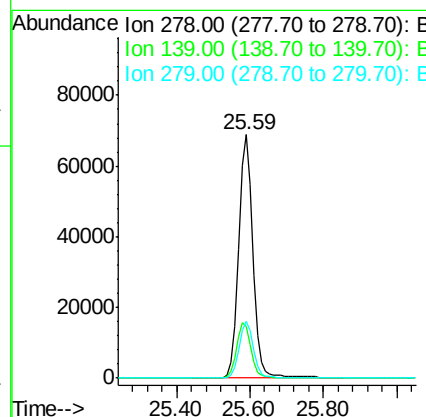
Delta R.T. -0.01 min

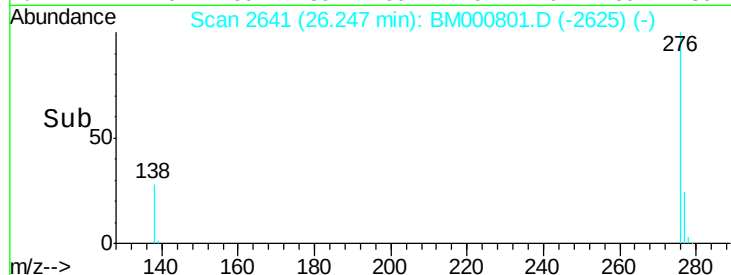
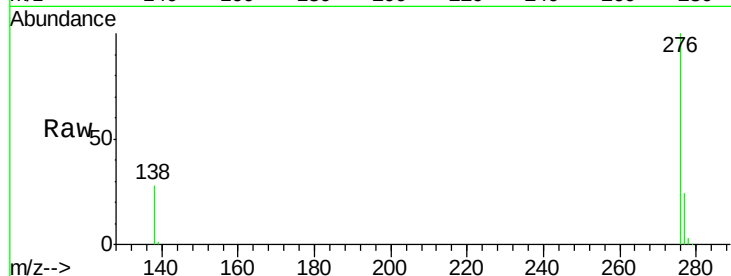
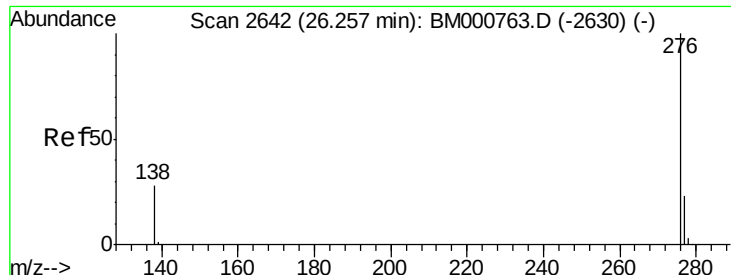
Lab File: BM000801.D

Acq: 02 Apr 2015 01:18



Tgt Ion	Ratio	Resp	Lower	Upper
278	100	185287		
139	21.5	17.8	26.6	
279	23.4	19.3	28.9	





#30
 Benzo(g,h,i)perylene
 Concen: 8.18 ng
 RT: 26.25 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BM000801.D
 Acq: 02 Apr 2015 01:18

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

Tgt Ion:	276	Resp:	195217
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.1	28.7
138	27.9	23.1	34.7

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