

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
 Data File : BM000802.D
 Acq On : 02 Apr 2015 01:53
 Operator : TP/IZ
 Sample : PB82421BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Manual Integrations
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Quant Time: Apr 02 03:02:16 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	33599	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	117003	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	58789	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	123539	5.00	ng	0.00
19) Chrysene-d12	21.21	240	105964	5.00	ng	0.00
25) Perylene-d12	23.39	264	94350	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	47150	6.60	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	146230	8.02	ng	0.00
21) Terphenyl-d14	19.66	244	116128	9.11	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	20721	5.49	ng	97
6) Naphthalene	10.45	128	172406	6.34	ng	99
7) 2-Methylnaphthalene	12.07	142	117925	6.86	ng	93
10) Acenaphthylene	13.98	152	217804	8.37	ng	100
11) Acenaphthene	14.33	154	137148	7.61	ng	93
12) Fluorene	15.32	166	164667	8.16	ng	100
14) Hexachlorobenzene	16.33	284	58239	8.05	ng	# 97
15) Pentachlorophenol	16.68	266	40267	11.42	ng	91
16) Phenanthrene	17.05	178	268155	7.92	ng	99
17) Anthracene	17.13	178	242524m	8.55	ng	
18) Fluoranthene	19.08	202	276922	8.28	ng	100
20) Pyrene	19.44	202	297158	8.60	ng	100
22) Benzo(a)anthracene	21.19	228	259053	8.56	ng	93
23) Chrysene	21.24	228	250408	7.89	ng	97
24) Indeno(1,2,3-cd)pyrene	25.58	276	259637	7.91	ng	99
26) Benzo(b)fluoranthene	22.73	252	238065	8.01	ng	96
27) Benzo(k)fluoranthene	22.78	252	249895	8.76	ng	96
28) Benzo(a)pyrene	23.30	252	230746	9.04	ng	97
29) Dibenzo(a,h)anthracene	25.59	278	210815	8.37	ng	98
30) Benzo(g,h,i)perylene	26.25	276	220744	8.12	ng	99

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

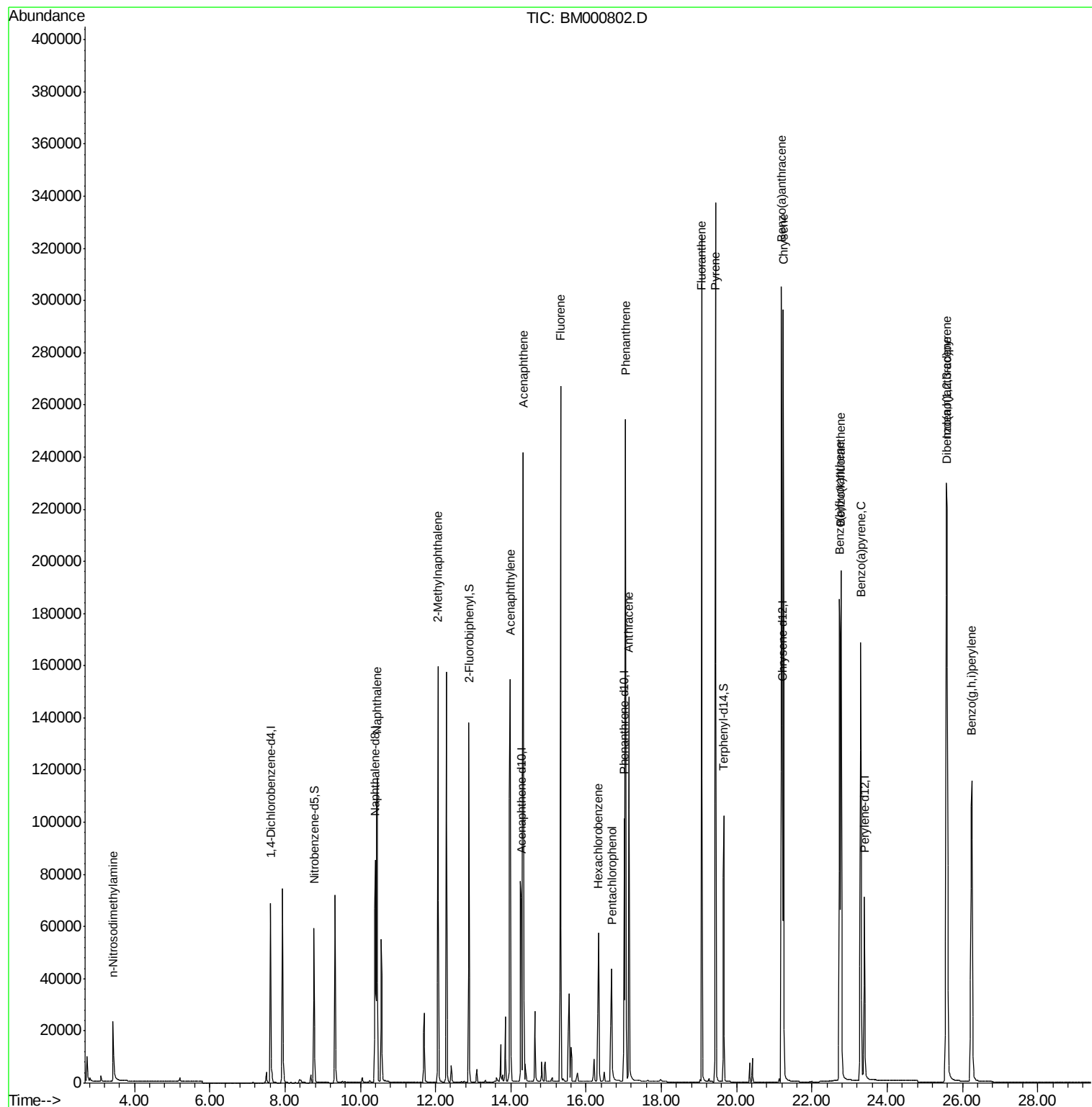
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
Data File : BM000802.D
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Sample : PB82421BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

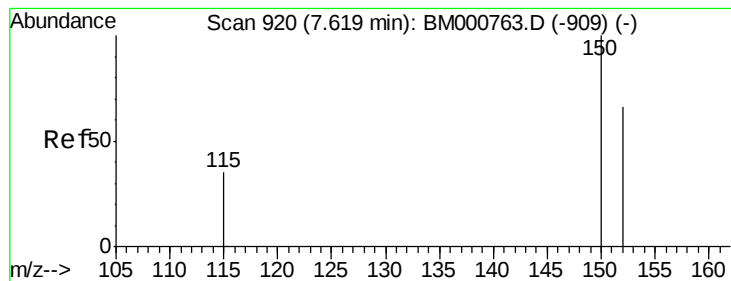
Instrument :
BNA_M
ClientSampleId :
PB82421BSD

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Quant Time: Apr 02 03:02:16 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: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

ClientSampleId :

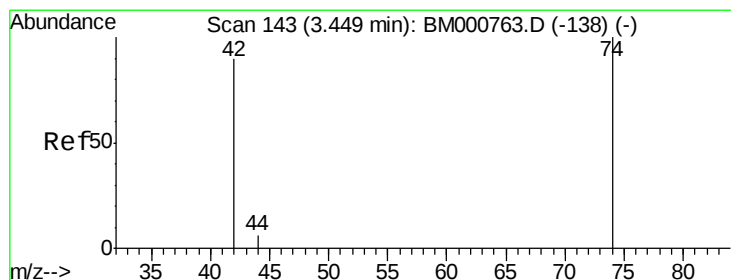
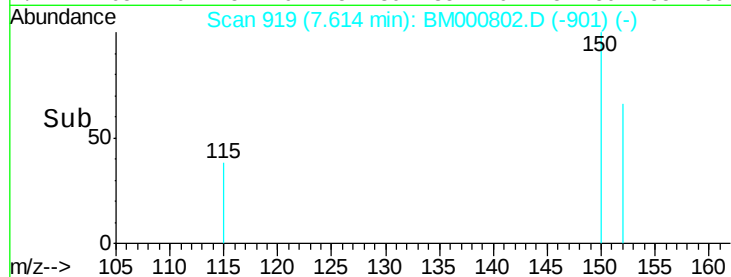
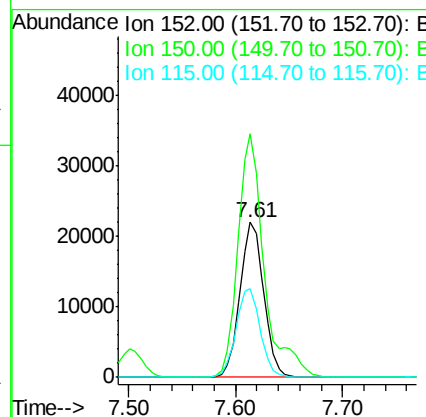
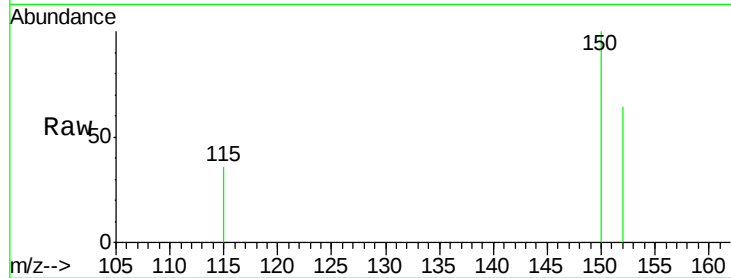
PB82421BSD

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Tgt Ion:	152	Resp:	33599
Ion Ratio	Lower	Upper	
152	100		
150	157.2	120.8	181.2
115	57.3	42.7	64.1



#3

n-Nitrosodimethylamine

Concen: 5.49 ng

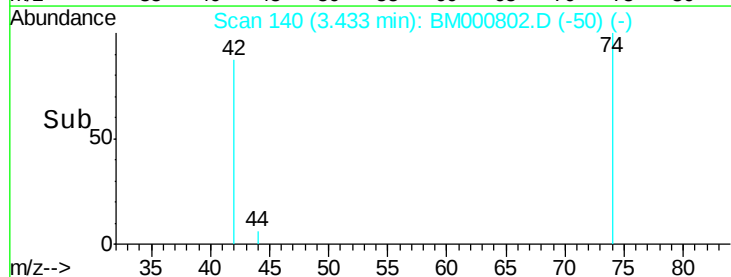
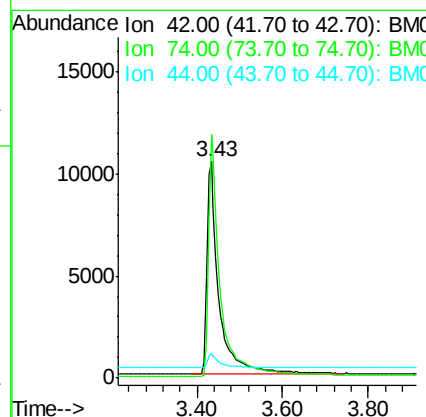
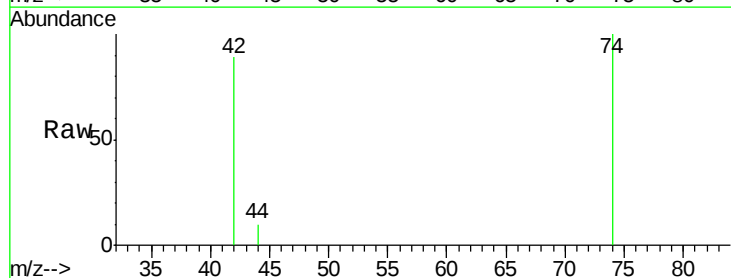
RT: 3.43 min Scan# 140

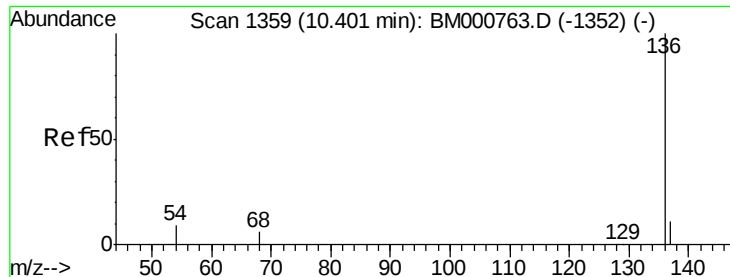
Delta R.T. -0.02 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Tgt Ion:	42	Resp:	20721
Ion Ratio	Lower	Upper	
42	100		
74	114.1	93.6	140.4
44	6.4	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: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

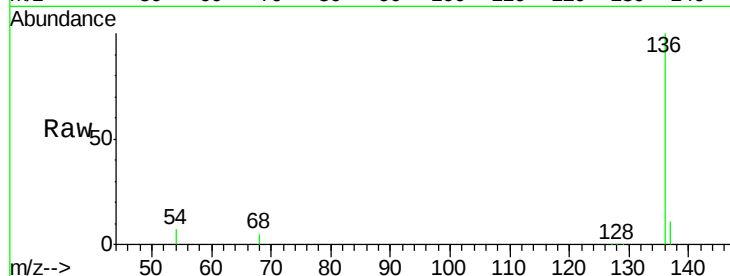
ClientSampleId :

PB82421BSD

Tgt Ion:	136	Resp:	117003
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	6.9	7.0	10.6

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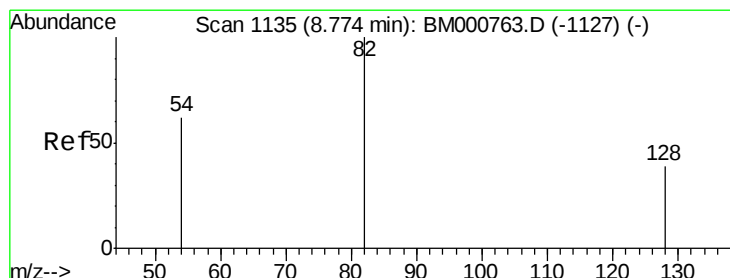
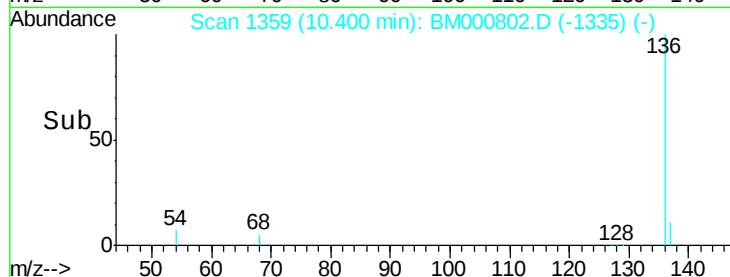
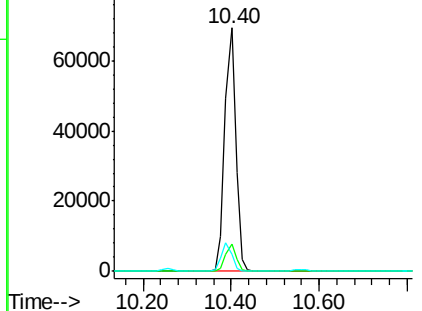
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Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 6.60 ng

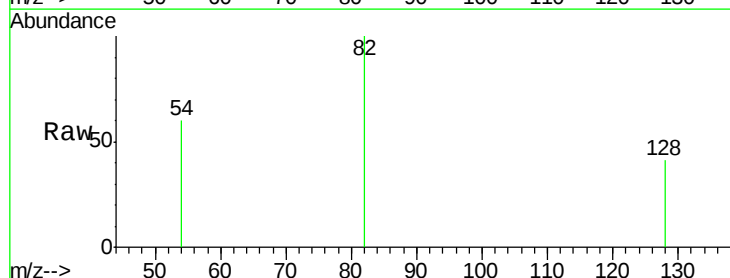
RT: 8.77 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

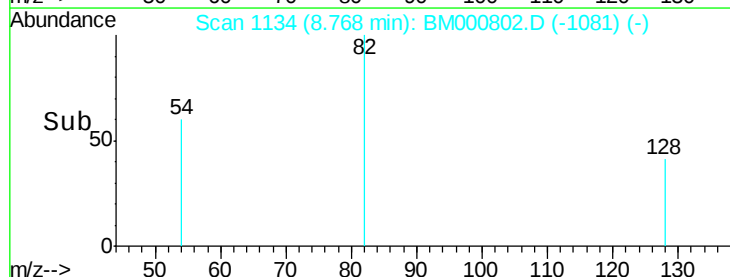
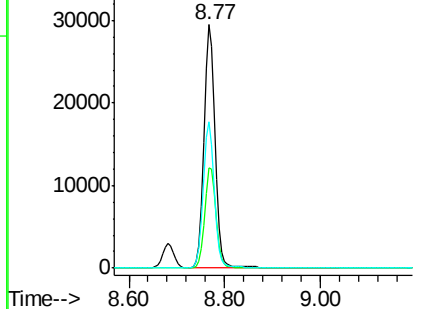
Tgt Ion:	82	Resp:	47150
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.2	48.2
54	59.9	50.2	75.4



Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 6.34 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

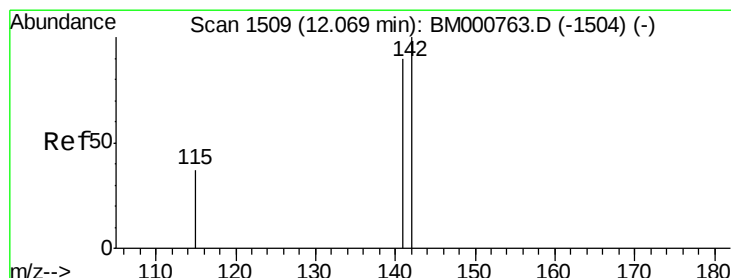
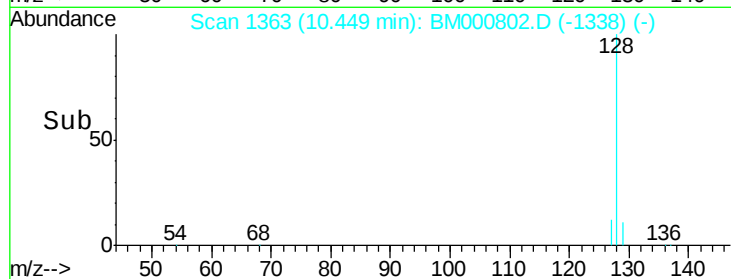
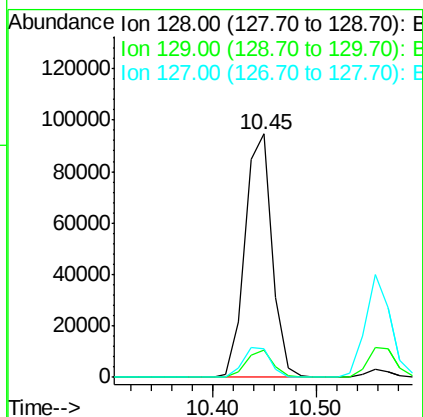
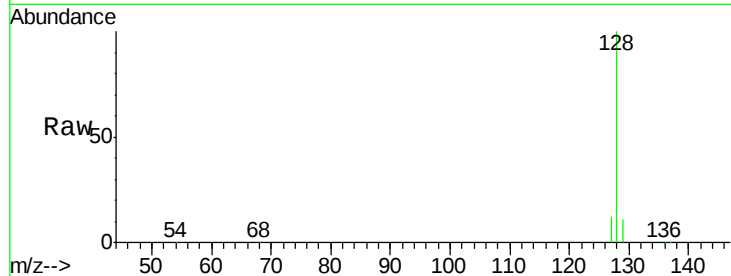
ClientSampleId :

PB82421BSD

Tgt Ion:	128	Resp:	172406
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.9	13.3
127	11.7	10.0	15.0

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#7

2-Methylnaphthalene

Concen: 6.86 ng

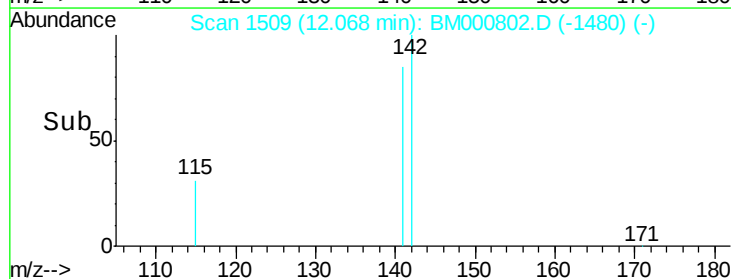
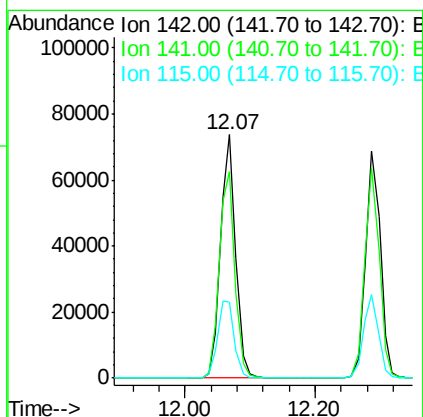
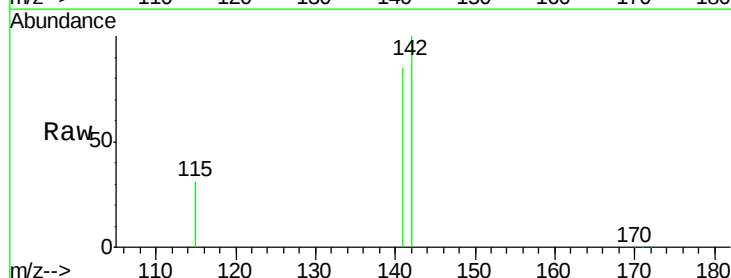
RT: 12.07 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Tgt Ion:	142	Resp:	117925
Ion Ratio	Lower	Upper	
142	100		
141	85.0	72.3	108.5
115	31.3	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: BM000802.D

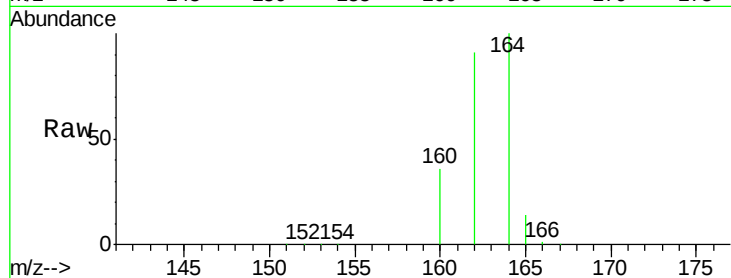
Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

ClientSampleId :

PB82421BSD



Tgt Ion:164 Resp: 58789

Ion Ratio Lower Upper

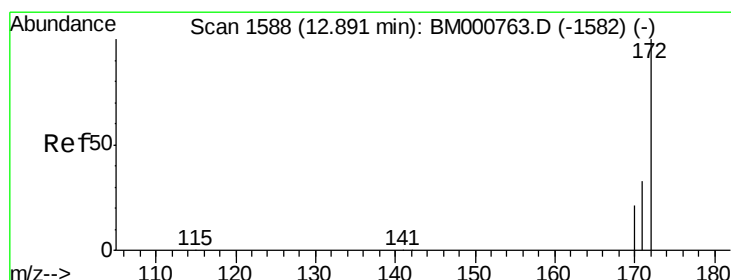
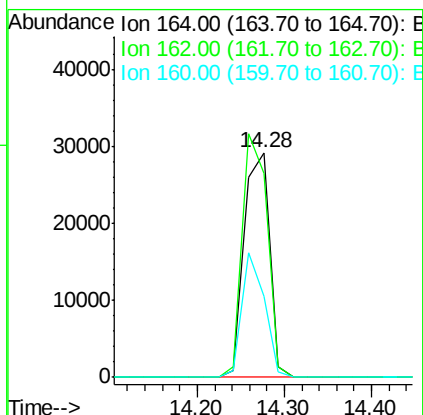
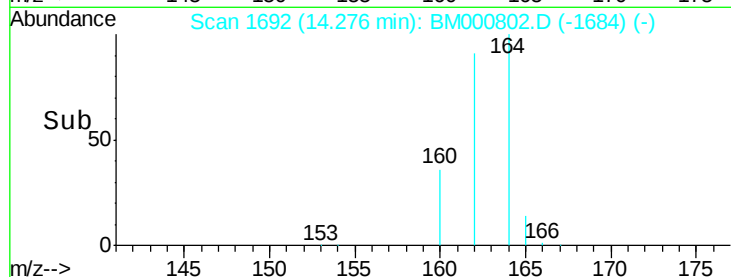
164 100

162 90.7 75.4 113.2

160 35.8 30.8 46.2

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#9

2-Fluorobiphenyl

Concen: 8.02 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

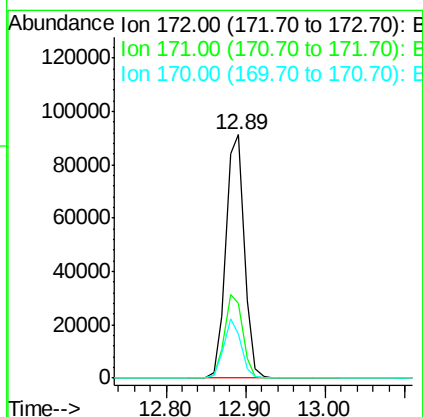
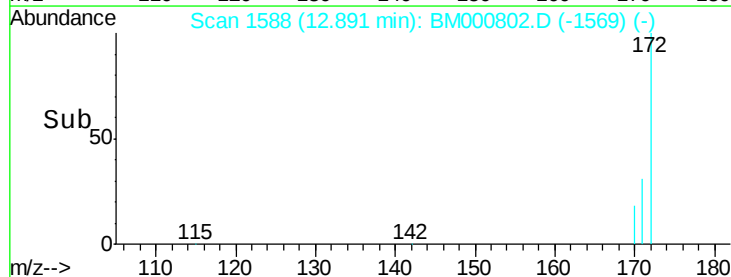
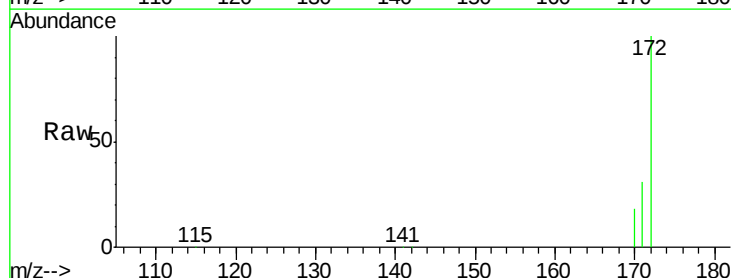
Tgt Ion:172 Resp: 146230

Ion Ratio Lower Upper

172 100

171 30.8 26.6 39.8

170 18.1 17.1 25.7





#10

Acenaphthylene

Concen: 8.37 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

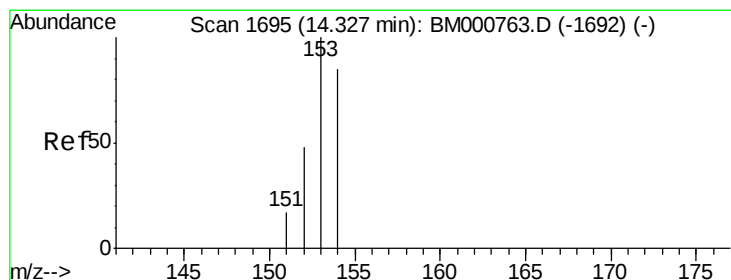
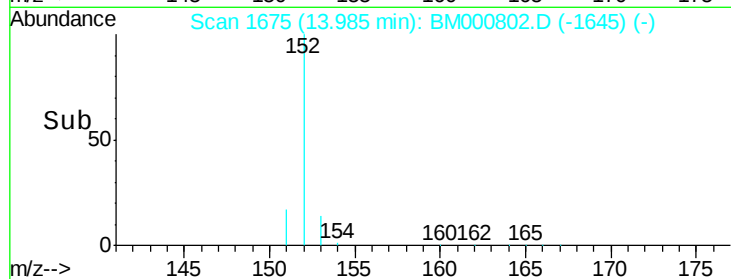
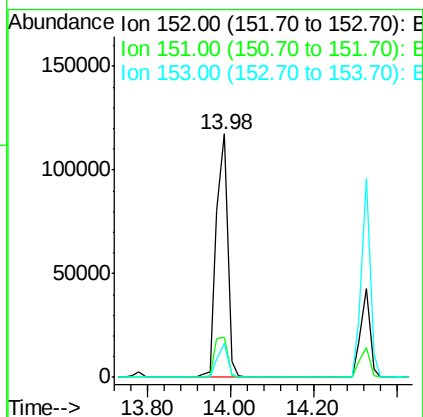
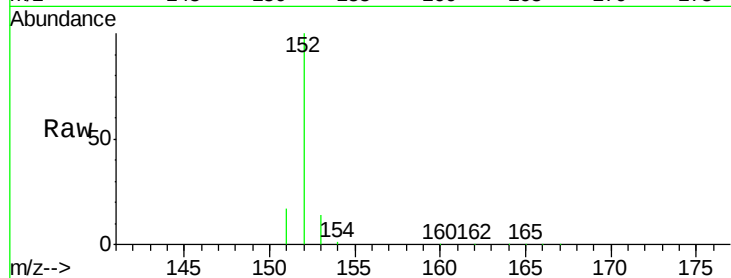
ClientSampleId :

PB82421BSD

Tgt Ion:	152	Resp:	217804
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.1	22.7
153	12.8	10.2	15.4

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#11

Acenaphthene

Concen: 7.61 ng

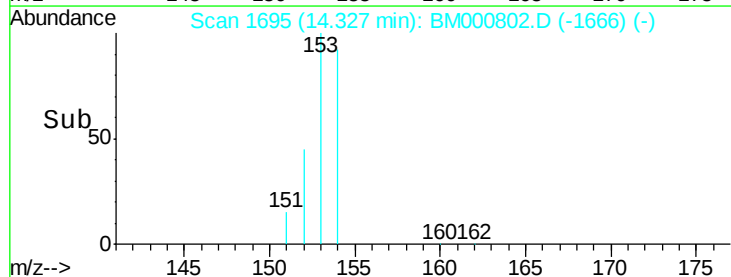
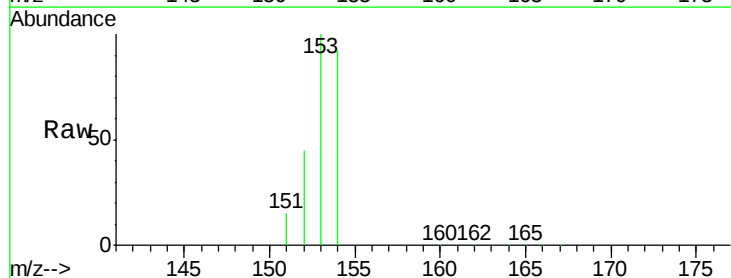
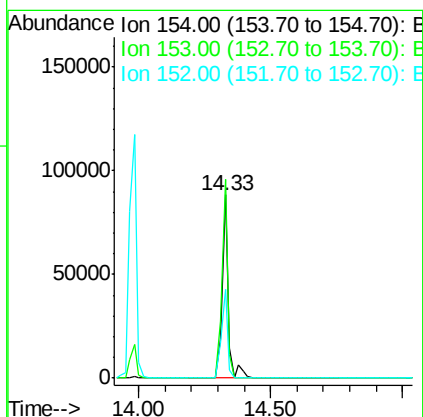
RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Tgt Ion:	154	Resp:	137148
Ion Ratio	Lower	Upper	
154	100		
153	101.6	87.3	130.9
152	48.5	43.0	64.6





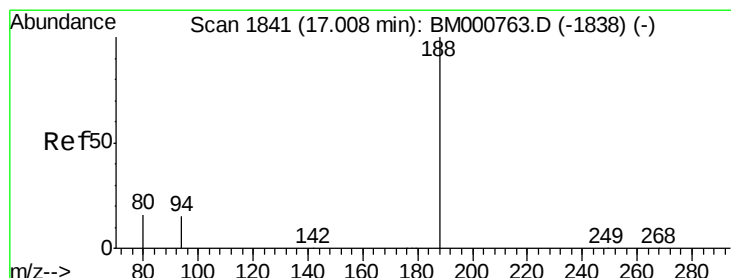
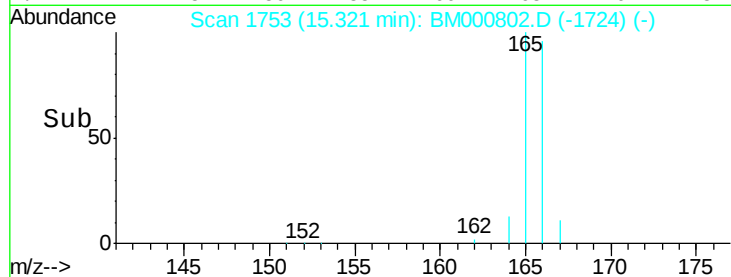
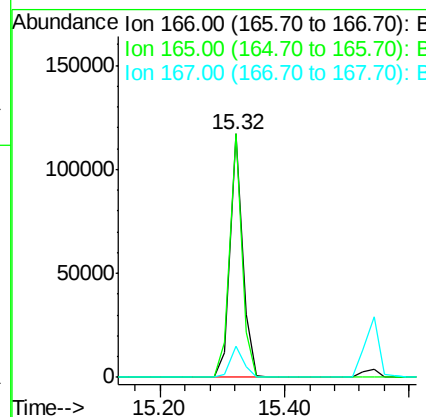
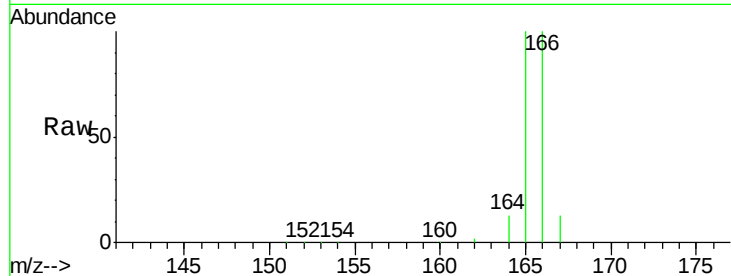
#12
Fluorene
 Concen: 8.16 ng
 RT: 15.32 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	164667		
165	97.4	78.2	117.2	
167	13.1	10.7	16.1	

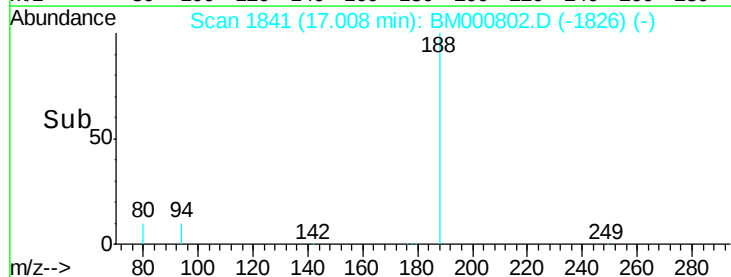
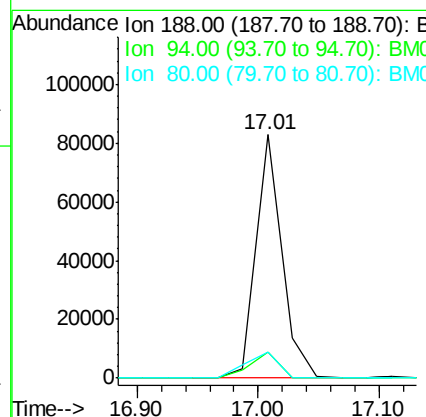
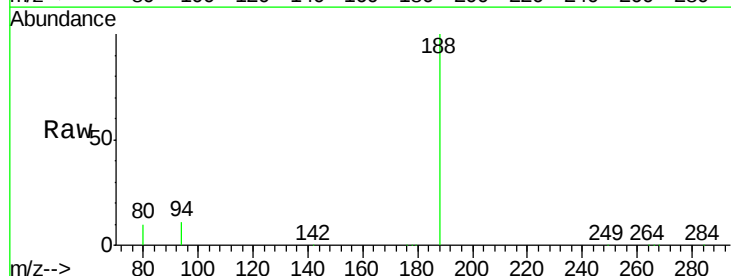
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#13
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.01 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	123539		
94	10.5	12.0	18.0#	
80	10.5	12.8	19.2#	





#14

Hexachlorobenzene

Concen: 8.05 ng

RT: 16.33 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

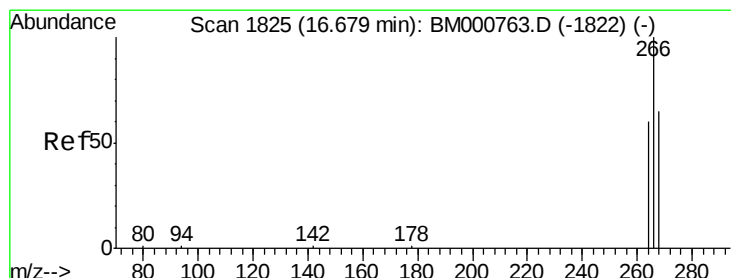
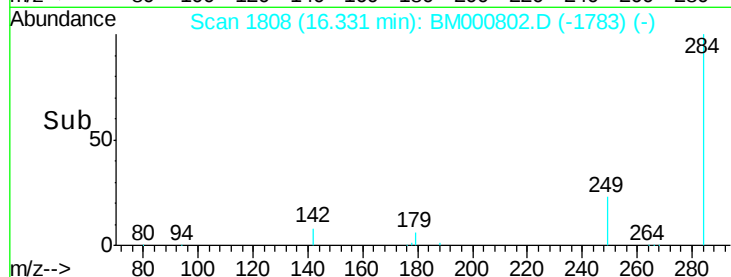
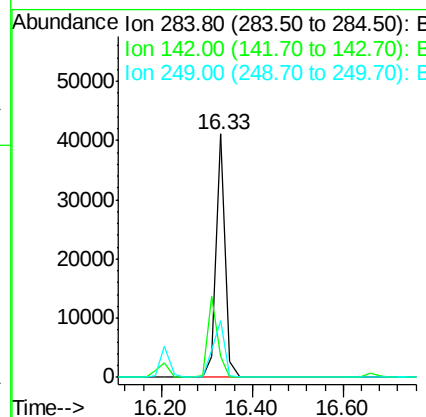
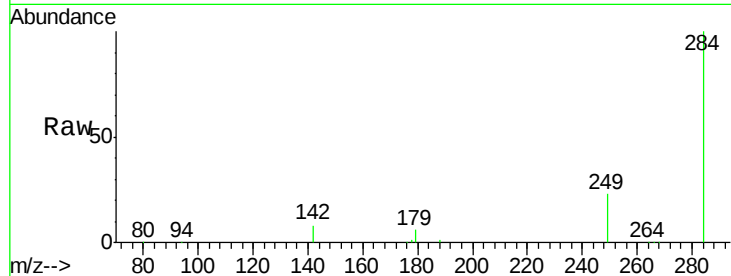
ClientSampled :

PB82421BSD

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	58239		
142	0.0	0.0	0.0	0.0
249	30.1	25.2	37.8	

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#15

Pentachlorophenol

Concen: 11.42 ng

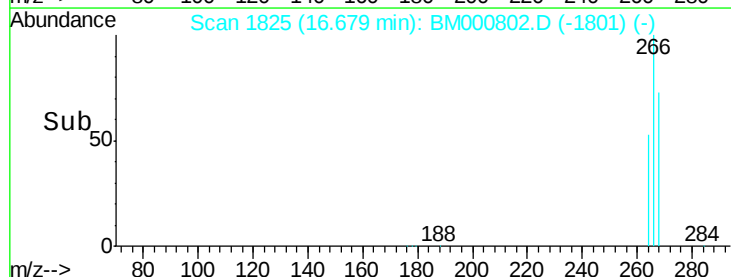
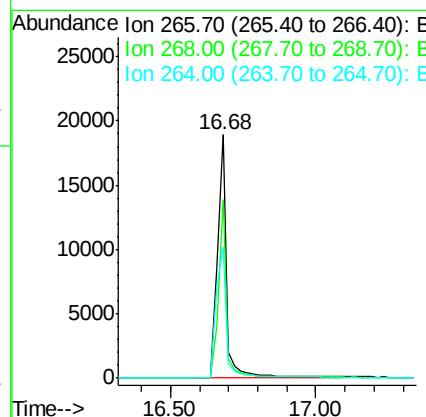
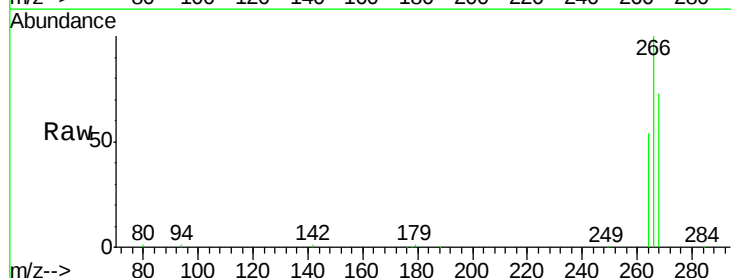
RT: 16.68 min Scan# 1825

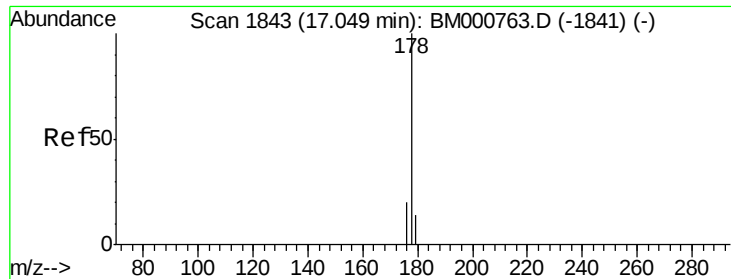
Delta R.T. 0.00 min

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Tgt Ion	Ratio	Resp	Lower	Upper
266	100	40267		
268	73.4	55.0	82.6	
264	53.6	51.0	76.4	





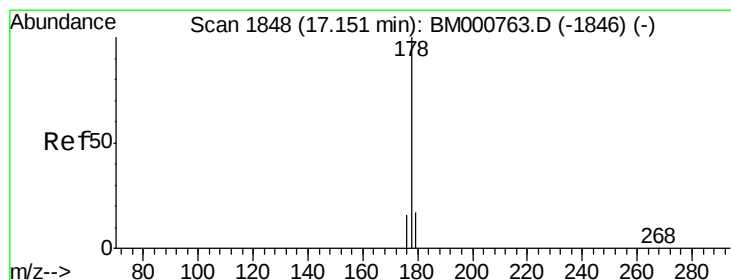
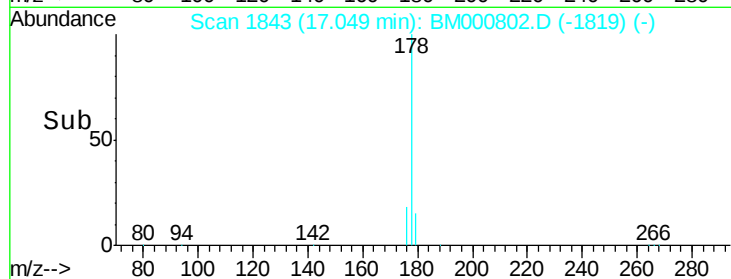
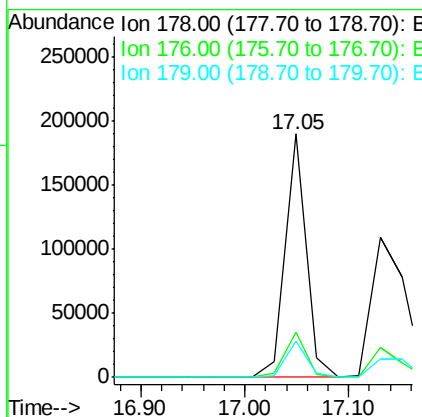
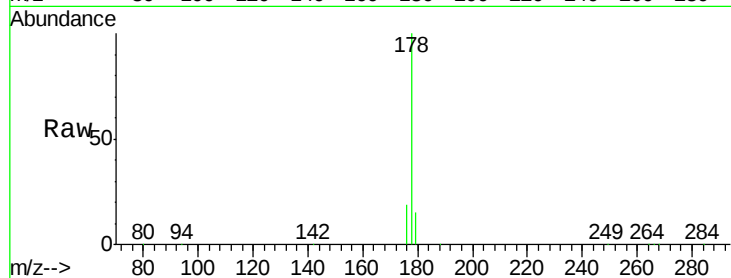
#16
Phenanthrene
Concen: 7.92 ng
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Instrument :
BNA_M
ClientSampleId :
PB82421BSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.0	12.2	18.2

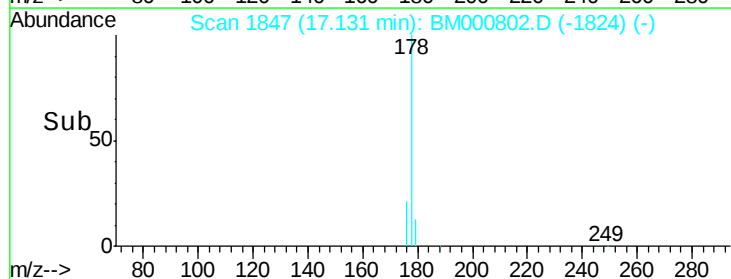
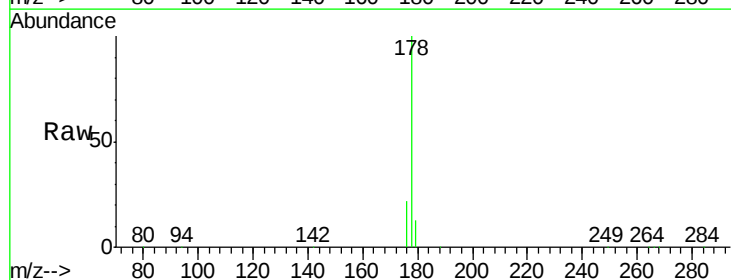
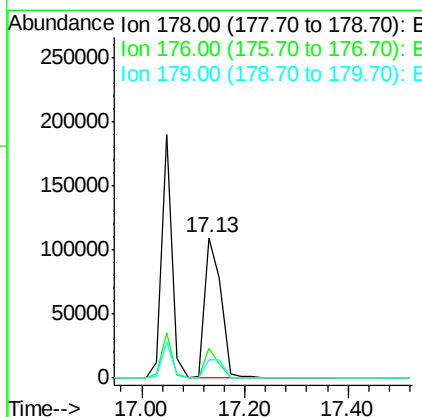
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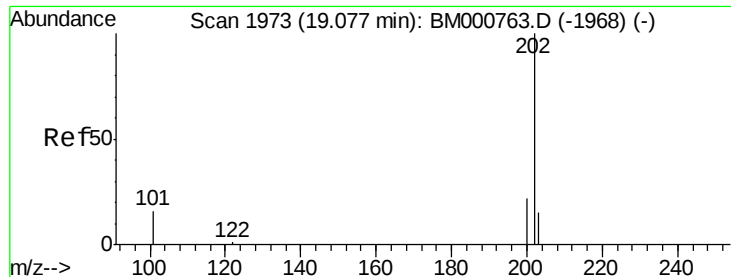
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#17
Anthracene
Concen: 8.55 ng m
RT: 17.13 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	14.6	22.0
179	16.6	12.2	18.4





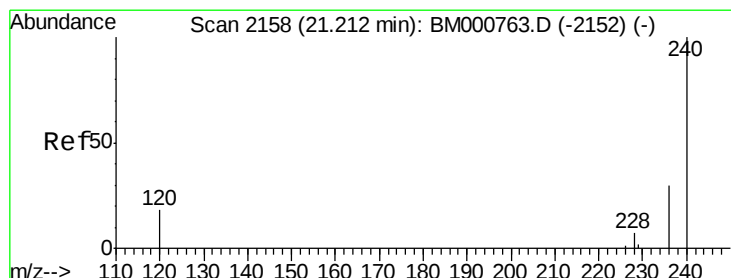
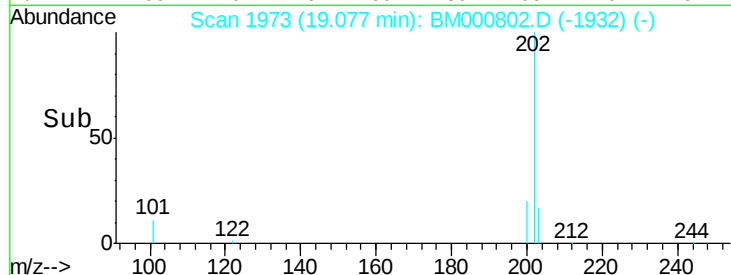
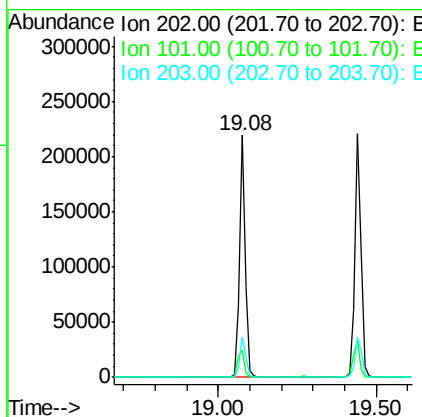
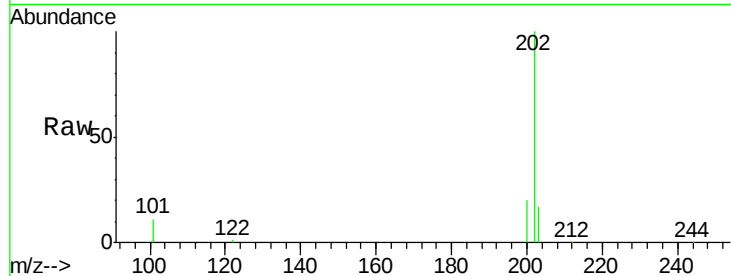
#18
 Fluoranthene
 Concen: 8.28 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.2	10.5	15.7
203	17.3	13.8	20.8

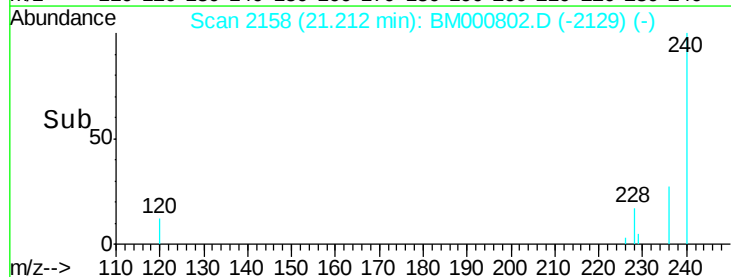
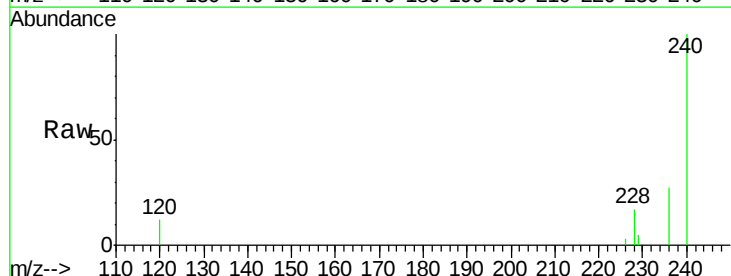
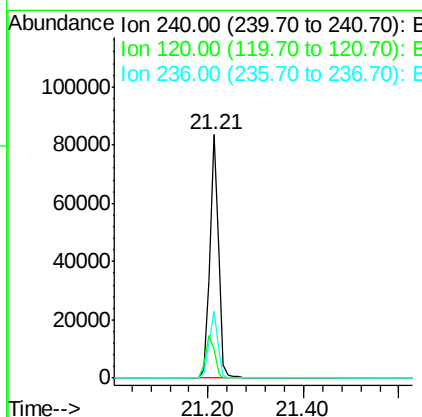
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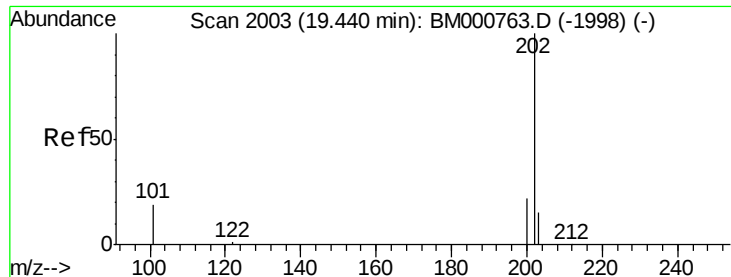
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.0	14.9	22.3#
236	27.4	24.2	36.4





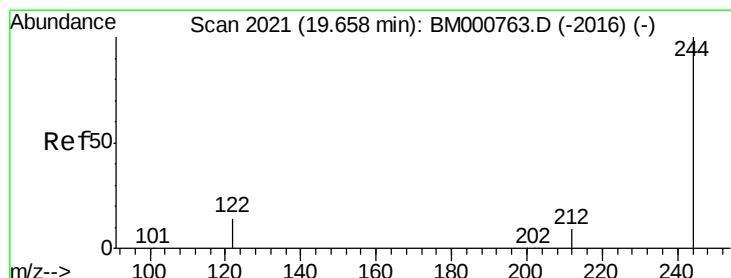
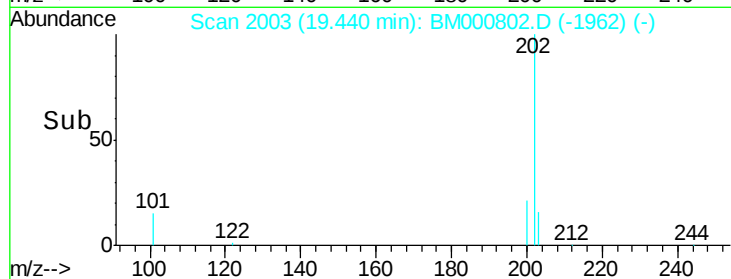
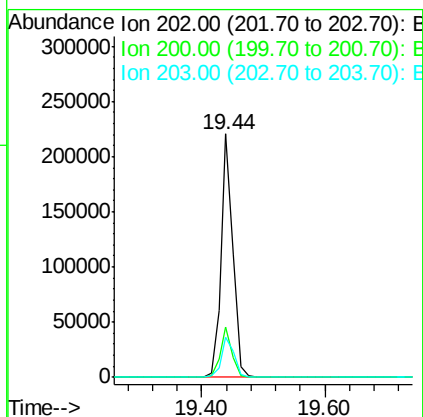
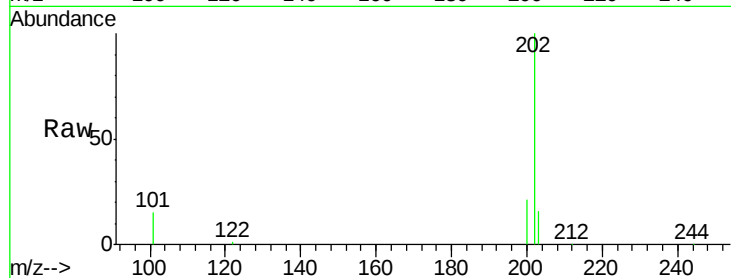
#20
 Pyrene
 Concen: 8.60 ng
 RT: 19.44 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.2	24.2
203	17.7	13.9	20.9

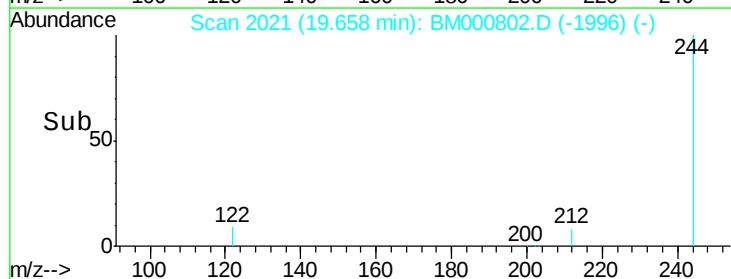
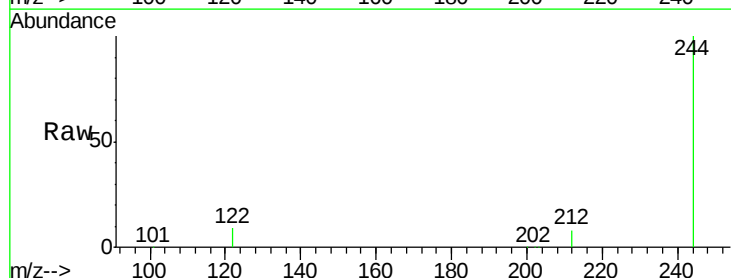
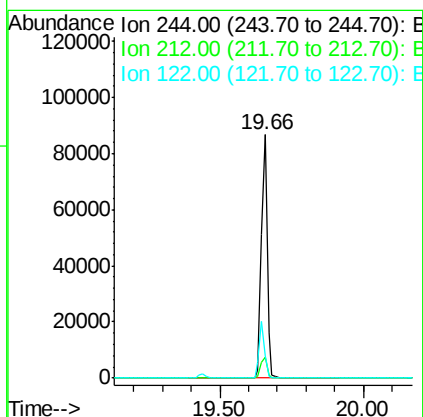
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#21
 Terphenyl-d14
 Concen: 9.11 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BM000802.D
 Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.4	7.8	11.6
122	8.9	11.8	17.8#





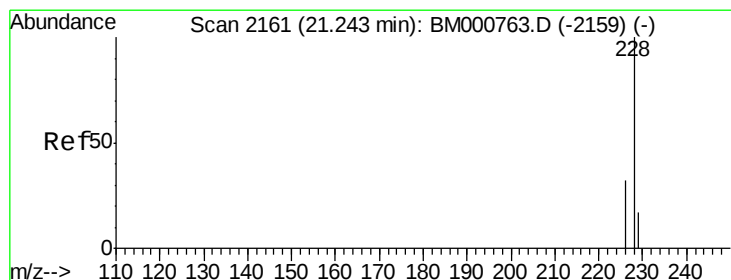
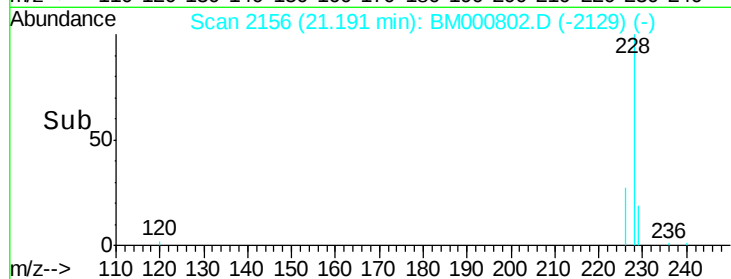
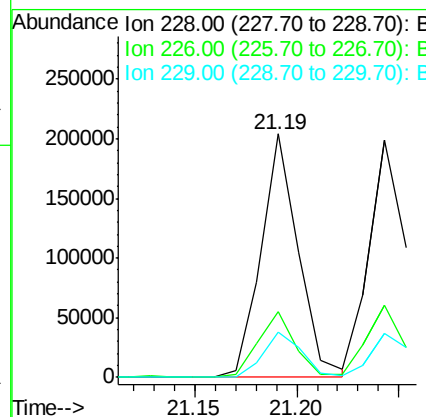
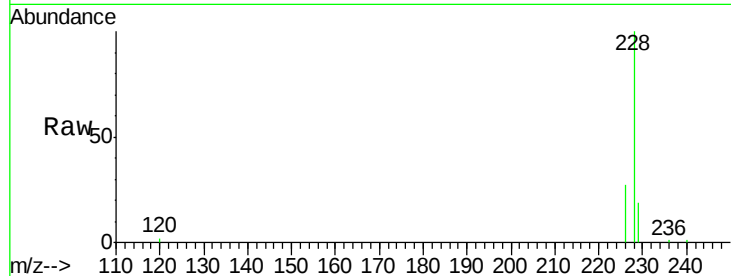
#22
Benzo(a)anthracene
Concen: 8.56 ng
RT: 21.19 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Instrument :
BNA_M
ClientSampleId :
PB82421BSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	18.6	27.8
229	18.5	17.2	25.8

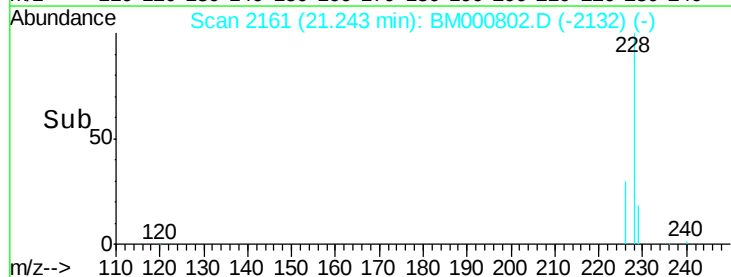
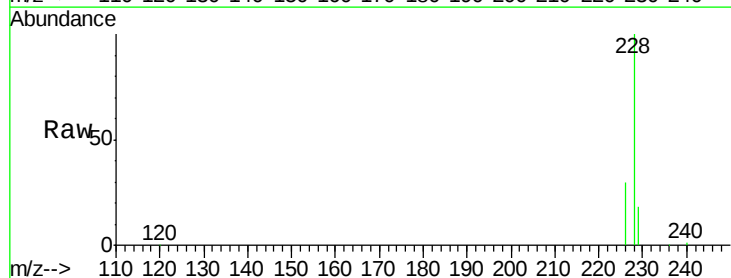
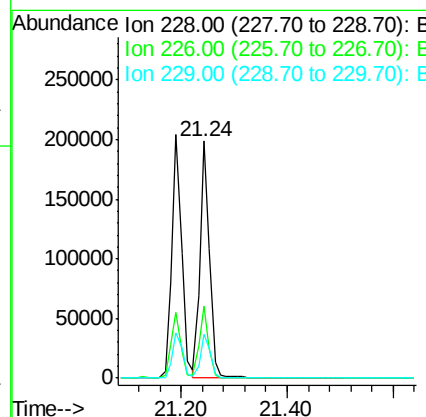
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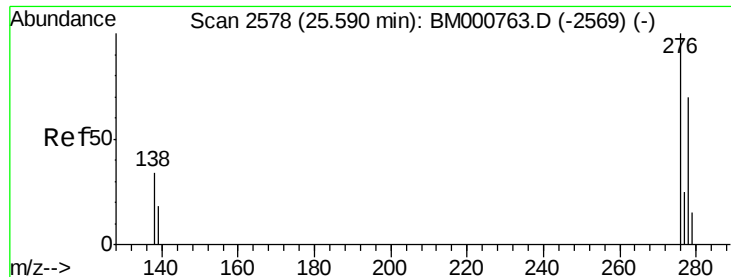
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#23
Chrysene
Concen: 7.89 ng
RT: 21.24 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.8	38.8
229	18.4	13.8	20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 7.91 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000802.D

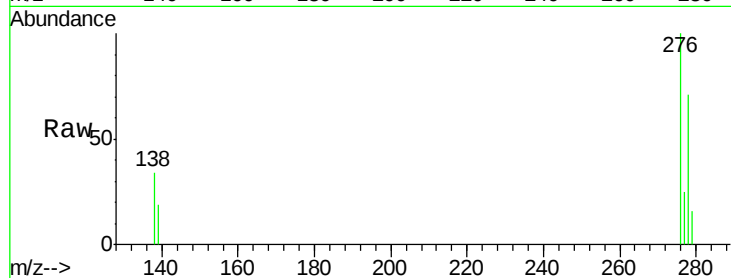
Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

ClientSampleId :

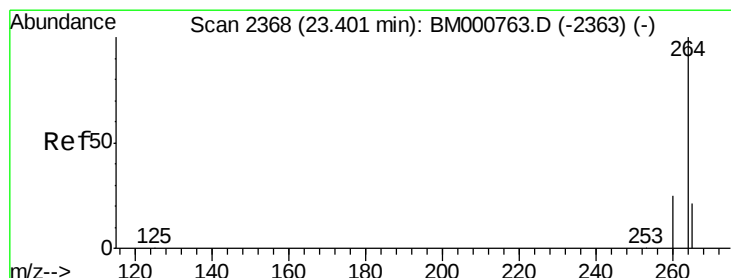
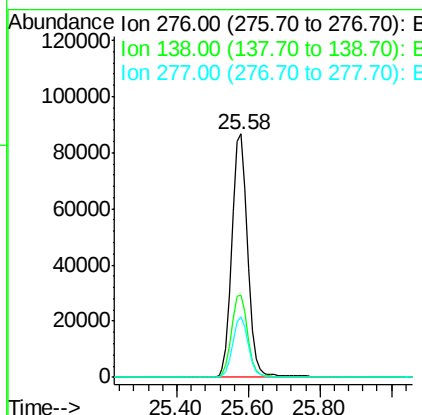
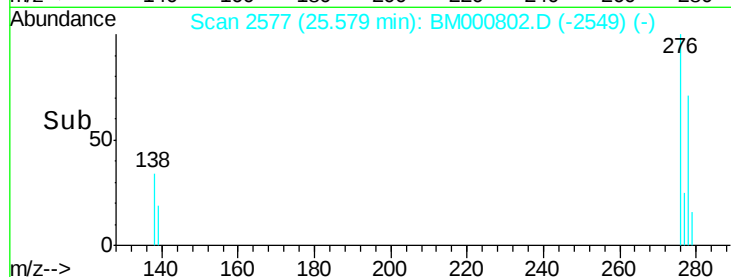
PB82421BSD



Tgt Ion:	276	Resp:	259637
Ion Ratio	Lower	Upper	
276	100		
138	35.0	27.4	41.2
277	24.6	19.7	29.5

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#25

Perylene-d12

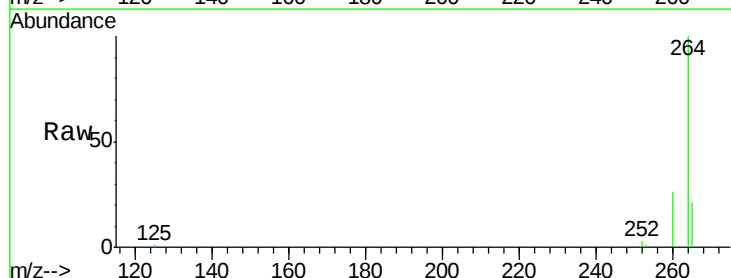
Concen: 5.00 ng

RT: 23.39 min Scan# 2367

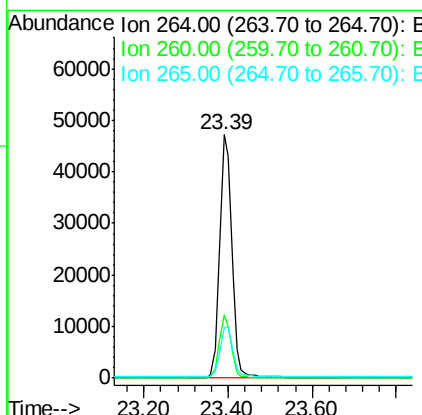
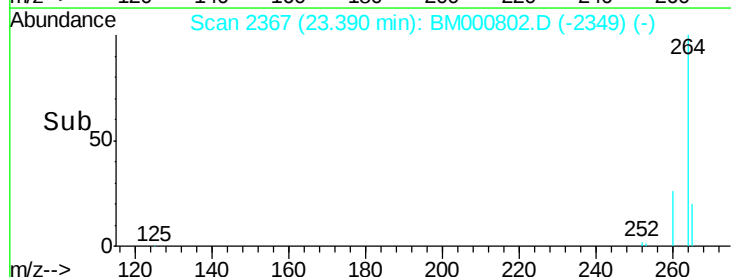
Delta R.T. -0.01 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53



Tgt Ion:	264	Resp:	94350
Ion Ratio	Lower	Upper	
264	100		
260	26.0	20.1	30.1
265	20.6	17.4	26.0





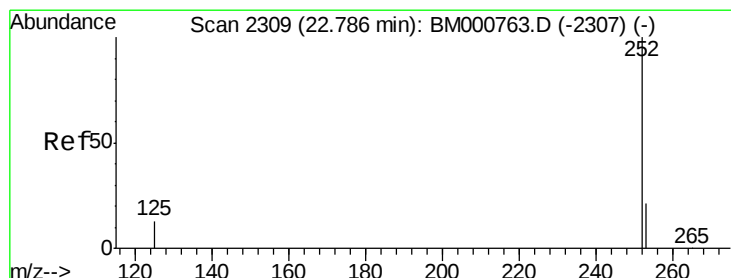
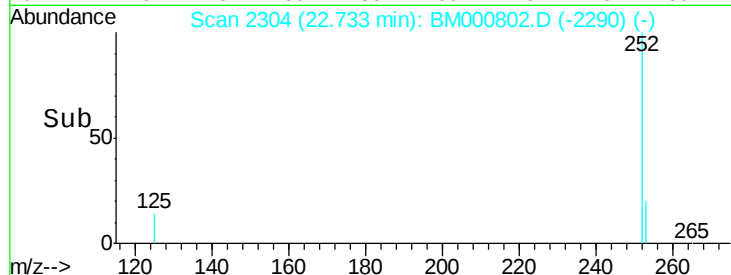
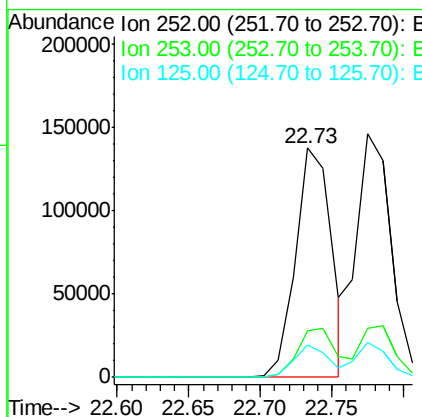
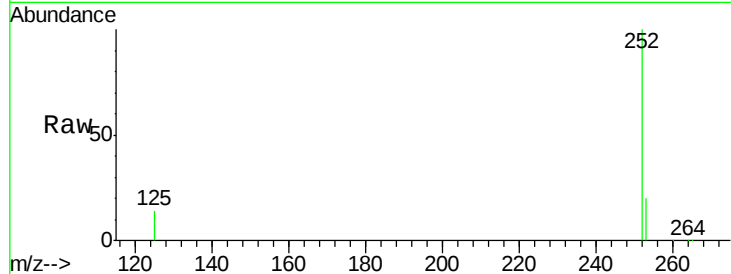
#26
Benzo(b)fluoranthene
Concen: 8.01 ng
RT: 22.73 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Instrument :
BNA_M
ClientSampleId :
PB82421BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.5	18.5	27.7
125	14.3	10.6	16.0

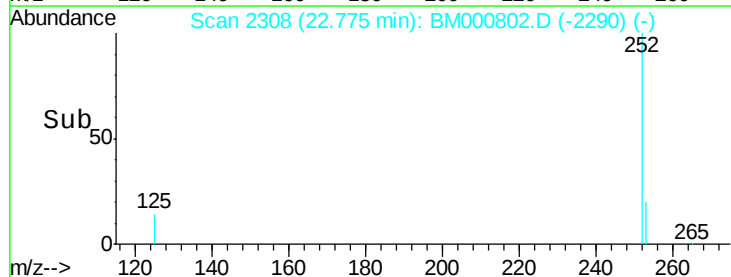
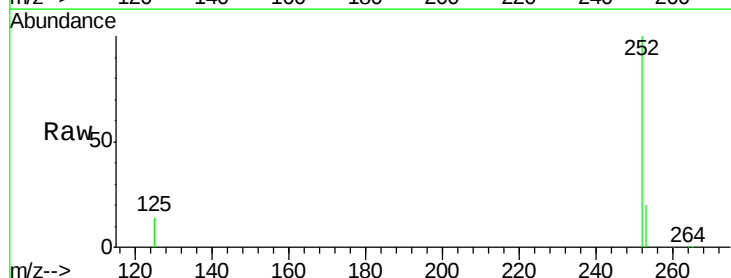
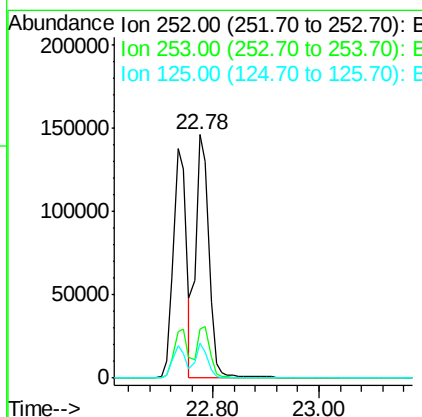
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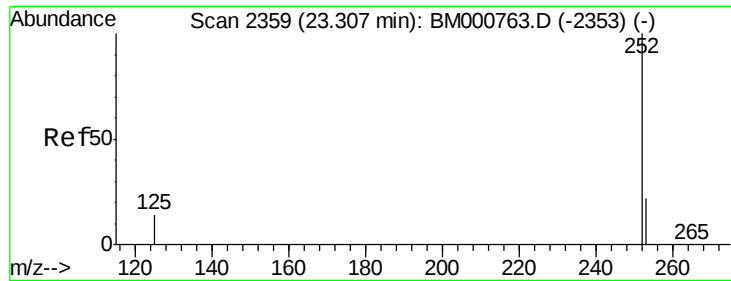
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#27
Benzo(k)fluoranthene
Concen: 8.76 ng
RT: 22.78 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BM000802.D
Acq: 02 Apr 2015 01:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.1	17.9	26.9
125	14.2	10.8	16.2





#28

Benzo(a)pyrene

Concen: 9.04 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000802.D

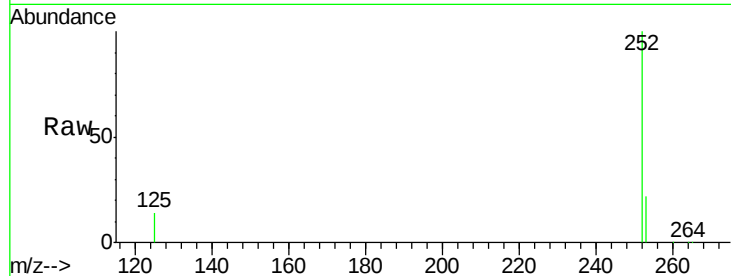
Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

ClientSampleId :

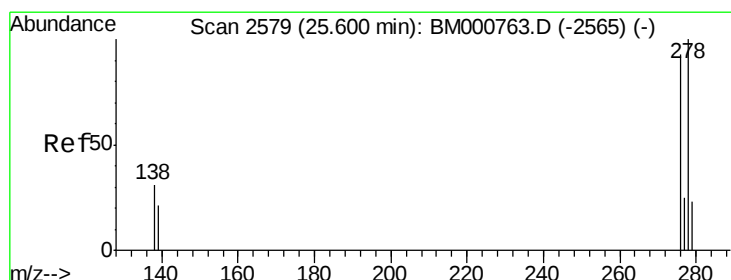
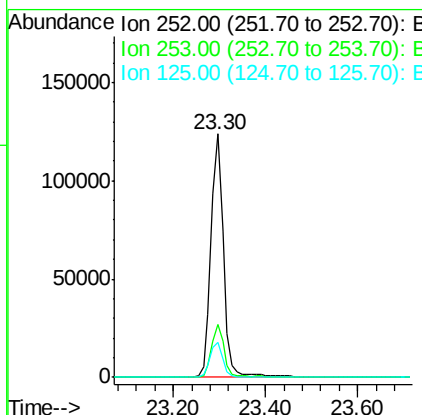
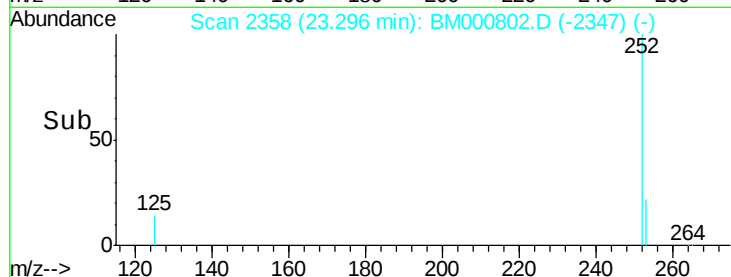
PB82421BSD



Tgt Ion:	252	Resp:	230746
Ion Ratio	Lower	Upper	
252	100		
253	21.8	19.4	29.2
125	14.4	11.5	17.3

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#29

Dibenzo(a,h)anthracene

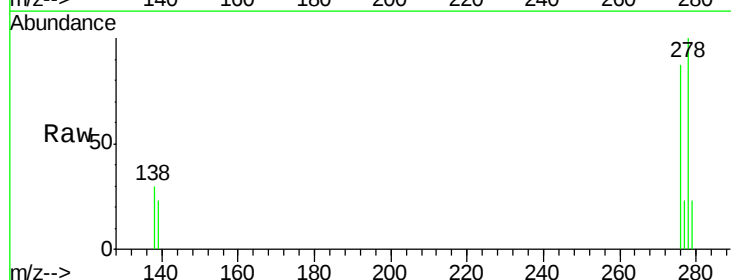
Concen: 8.37 ng

RT: 25.59 min Scan# 2578

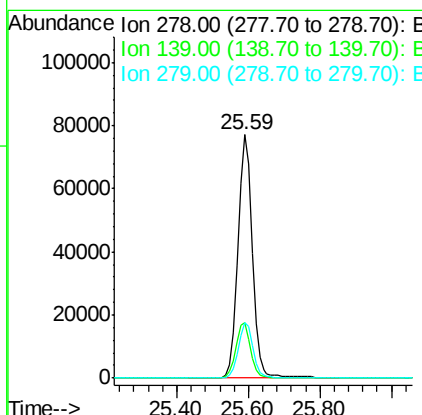
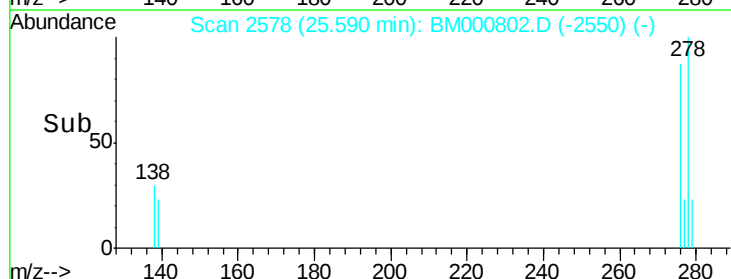
Delta R.T. -0.01 min

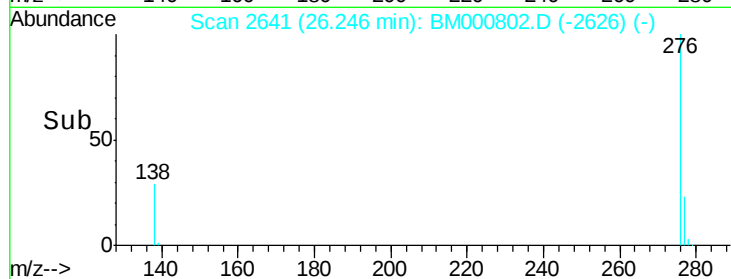
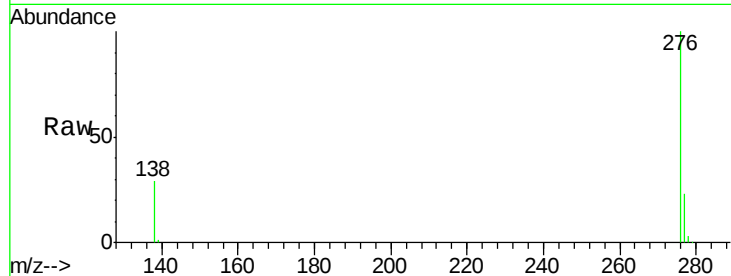
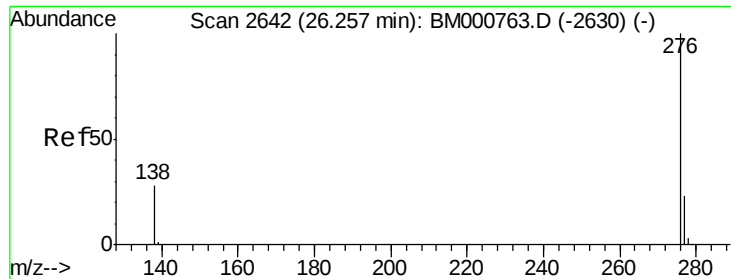
Lab File: BM000802.D

Acq: 02 Apr 2015 01:53



Tgt Ion:	278	Resp:	210815
Ion Ratio	Lower	Upper	
278	100		
139	22.7	17.8	26.6
279	22.9	19.3	28.9





#30

Benzo(g,h,i)perylene

Concen: 8.12 ng

RT: 26.25 min Scan# 2641

Delta R.T. -0.01 min

Lab File: BM000802.D

Acq: 02 Apr 2015 01:53

Instrument :

BNA_M

ClientSampleId :

PB82421BSD

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		220744		
277	23.4	19.1	28.7		
138	28.7	23.1	34.7		

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