

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001669.D
 Acq On : 12 Jun 2015 09:40
 Operator : TP/IZ
 Sample : G2449-03DL 25X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FM2ADL

Manual Integrations
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Quant Time: Jun 12 17:47:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:27:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	69452	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	269721	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	138028	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	168749	5.00	ng	0.00
25) Chrysene-d12	21.27	240	210048	5.00	ng	0.00
32) Perylene-d12	23.51	264	176082	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	2319	0.14	ng	0.00
5) Phenol-d6	6.84	99	3210	0.16	ng	0.00
7) Nitrobenzene-d5	8.85	82	2106	0.10	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	717	0.14	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	4922	0.10	ng	0.00
27) Terphenyl-d14	19.72	244	3404	0.11	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.52	128	4111	0.06	ng	95
11) 2-Methylnaphthalene	12.15	142	1346	0.03	ng	97
15) Acenaphthylene	14.05	152	3217	0.05	ng	99
16) Acenaphthene	14.40	154	2741	0.07	ng	100
17) Fluorene	15.36	166	3601	0.09	ng	# 98
22) Phenanthrene	17.12	178	39795	0.72	ng	# 98
23) Anthracene	17.19	178	14902m	0.23	ng	
24) Fluoranthene	19.14	202	90104	1.10	ng	100
26) Pyrene	19.50	202	81915	1.14	ng	# 96
28) Benzo(a)anthracene	21.25	228	39418	0.60	ng	96
29) Chrysene	21.30	228	29284	0.46	ng	97
31) Indeno(1,2,3-cd)pyrene	25.75	276	12856	0.26	ng	94
33) Benzo(b)fluoranthene	22.83	252	31903m	0.56	ng	
34) Benzo(k)fluoranthene	22.85	252	12625m	0.23	ng	
35) Benzo(a)pyrene	23.41	252	22618	0.47	ng	95
36) Dibenzo(a,h)anthracene	25.76	278	3653	0.09	ng	91
37) Benzo(g,h,i)perylene	26.44	276	12642	0.33	ng	98

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

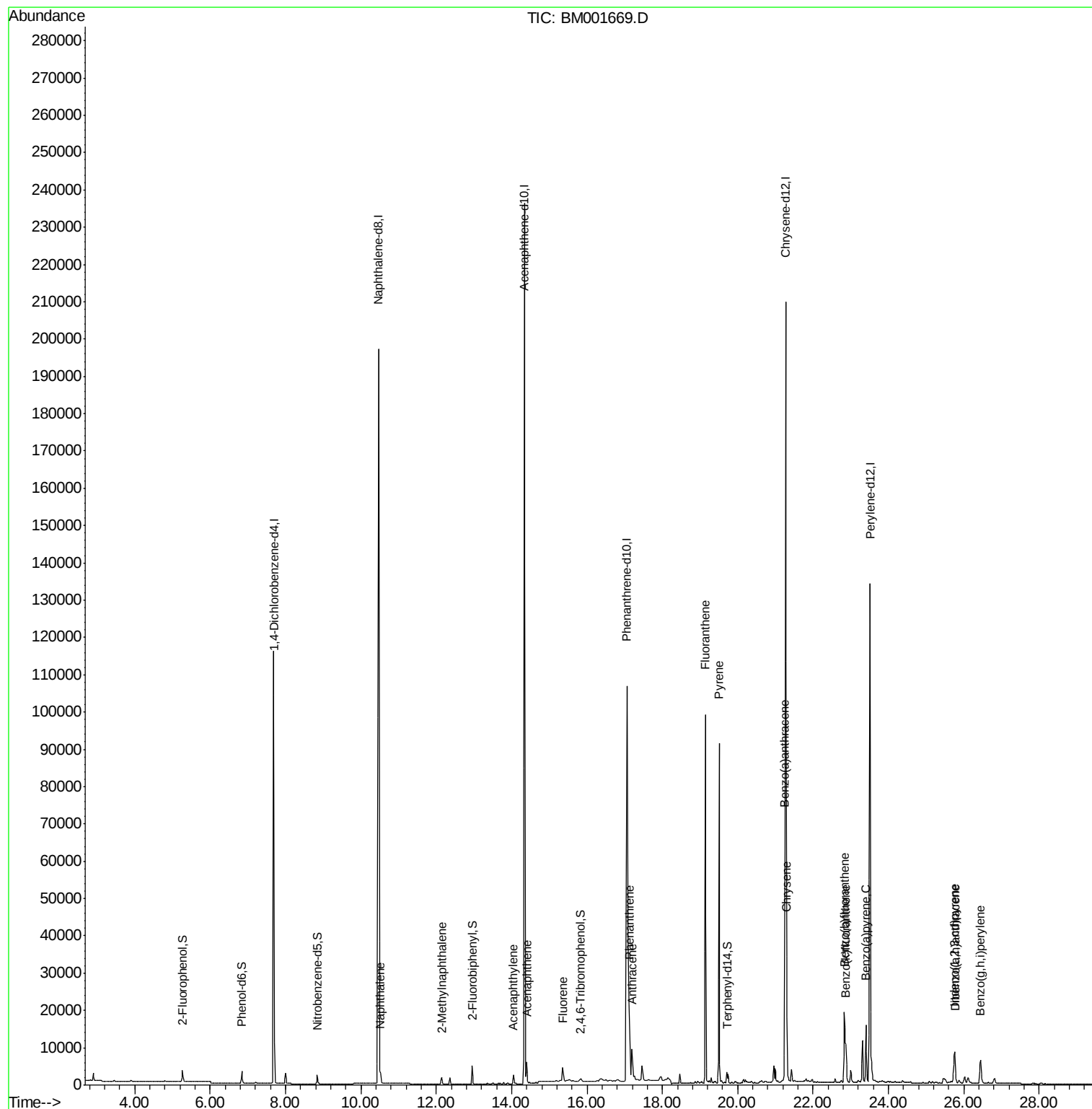
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
Data File : BM001669.D
Acq On : 12 Jun 2015 09:40
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Sample : G2449-03DL 25X
Misc :
ALS Vial : 19 Sample Multiplier: 1

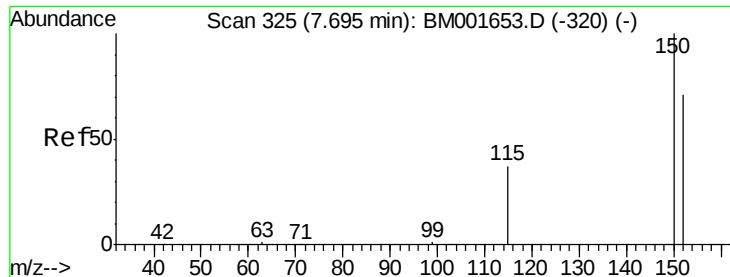
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

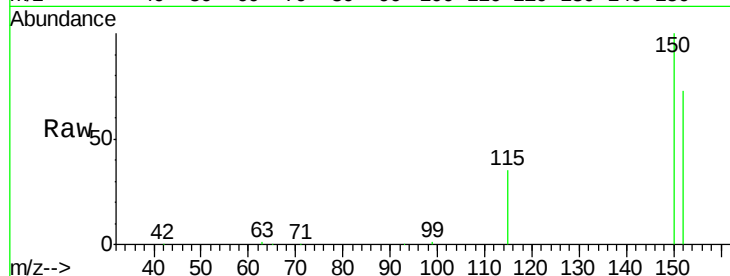
ClientSampleId :

FM2ADL

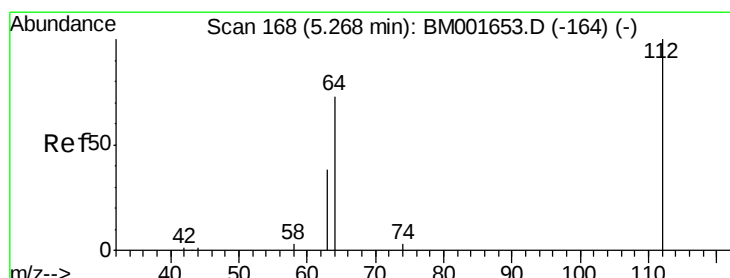
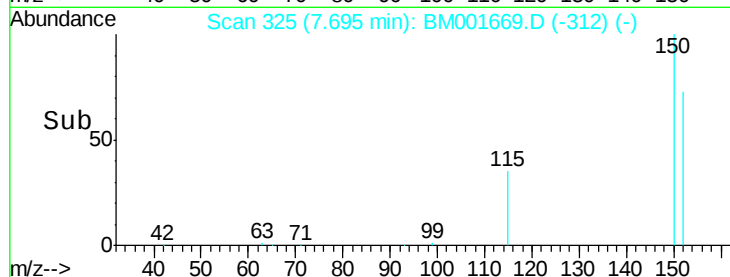
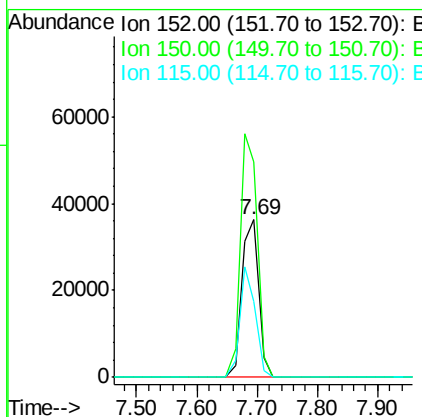
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Tgt Ion:	152	Resp:	69452
Ion Ratio	Lower	Upper	
152	100		
150	136.8	112.2	168.2
115	48.5	41.7	62.5



#4

2-Fluorophenol

Concen: 0.14 ng

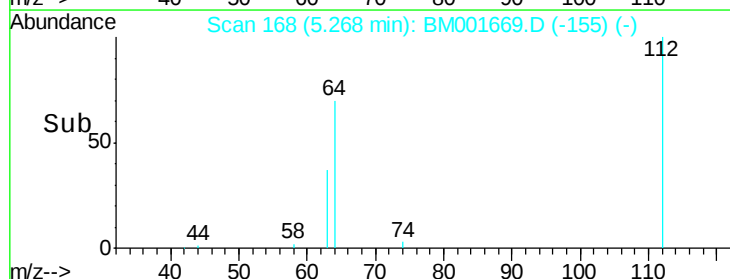
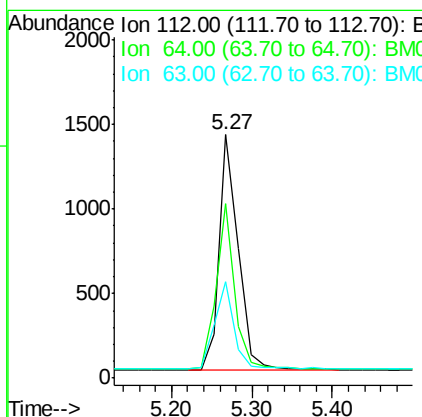
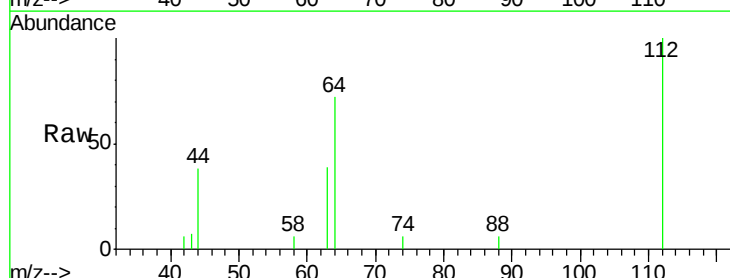
RT: 5.27 min Scan# 168

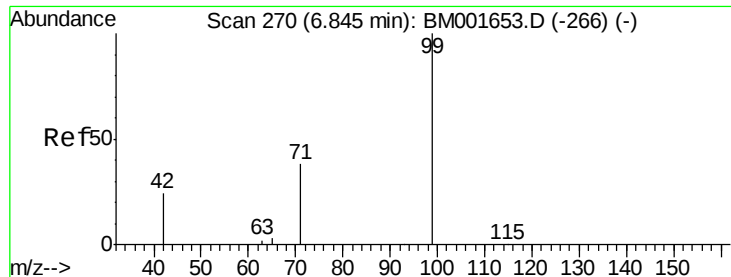
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt Ion:	112	Resp:	2319
Ion Ratio	Lower	Upper	
112	100		
64	68.0	55.5	83.3
63	37.8	29.9	44.9





#5

Phenol-d6

Concen: 0.16 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

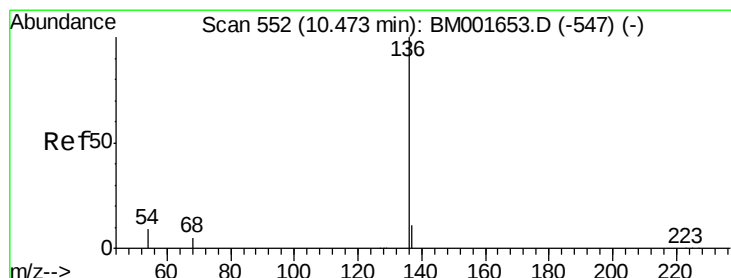
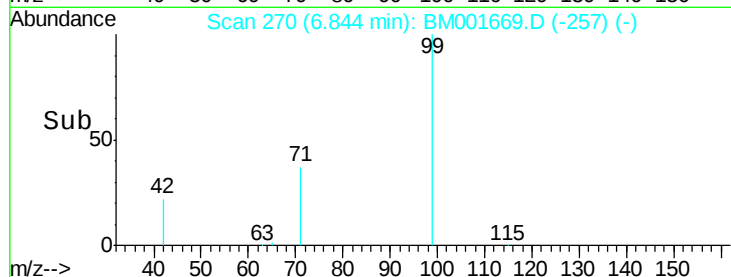
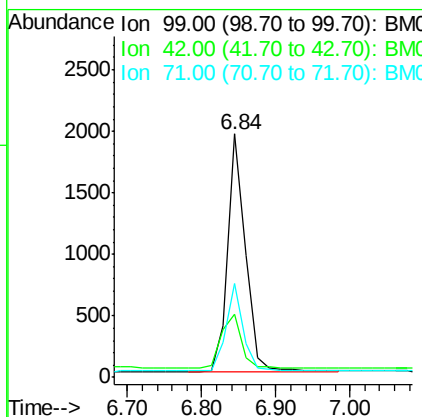
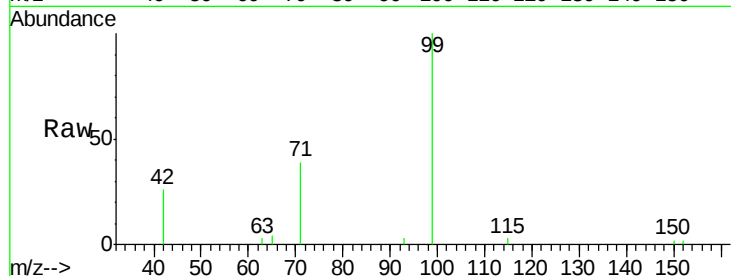
ClientSampleId :

FM2ADL

Tgt Ion:	99	Resp:	3210
Ion Ratio	Lower	Upper	
99	100		
42	25.4	21.6	32.4
71	35.8	28.7	43.1

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#6

Naphthalene-d8

Concen: 5.00 ng

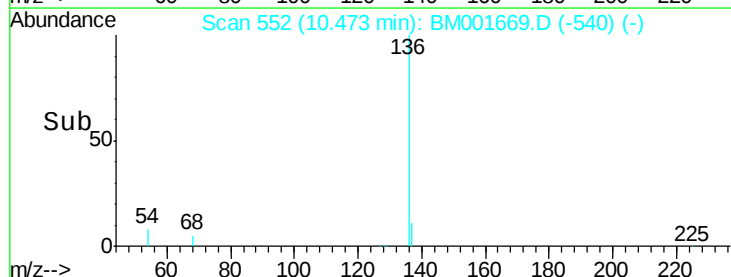
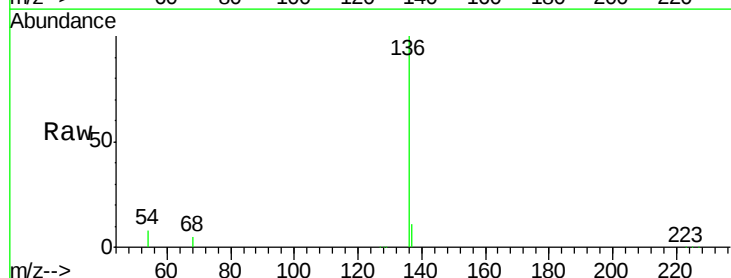
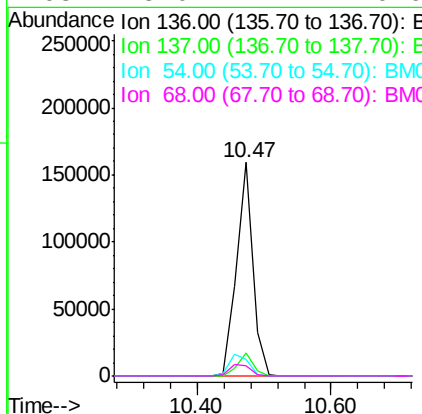
RT: 10.47 min Scan# 552

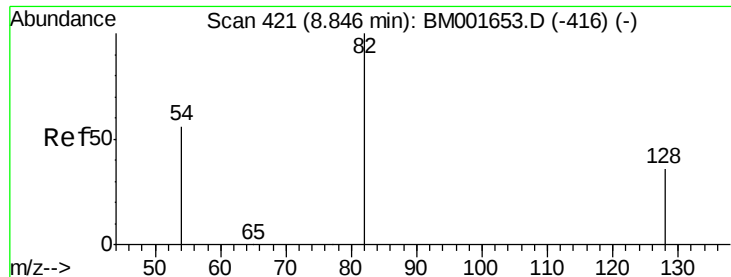
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt Ion:	136	Resp:	269721
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.6	6.9	10.3
68	5.0	4.4	6.6





#7

Nitrobenzene-d5

Concen: 0.10 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

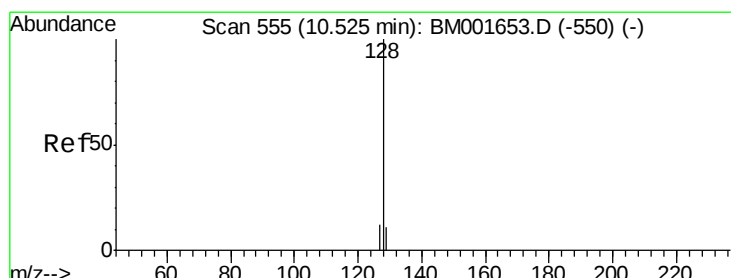
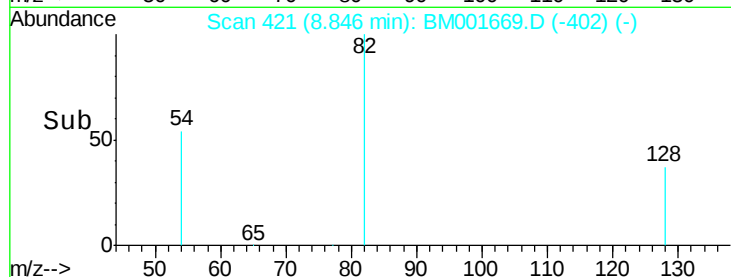
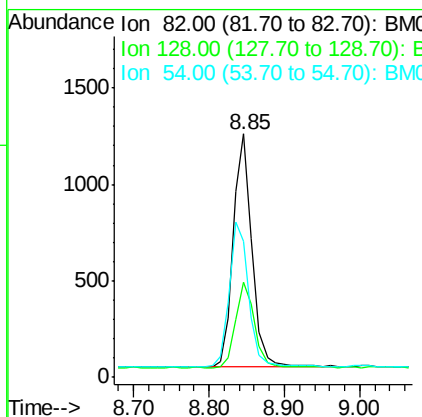
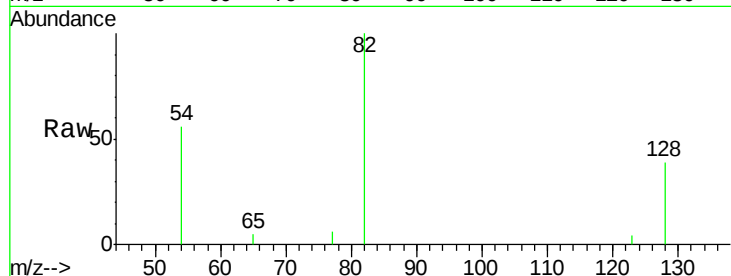
ClientSampleId :

FM2ADL

Tgt Ion:	82	Resp:	2106
Ion Ratio	Lower	Upper	
82	100		
128	39.2	29.7	44.5
54	56.1	45.1	67.7

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#9

Naphthalene

Concen: 0.06 ng

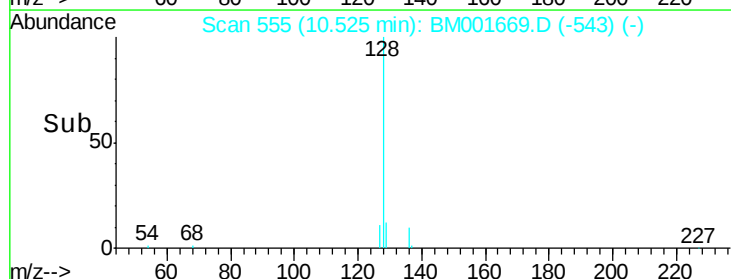
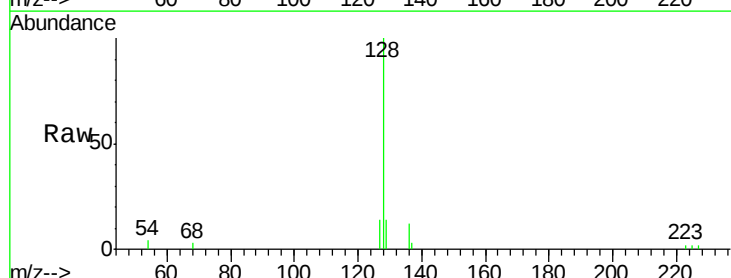
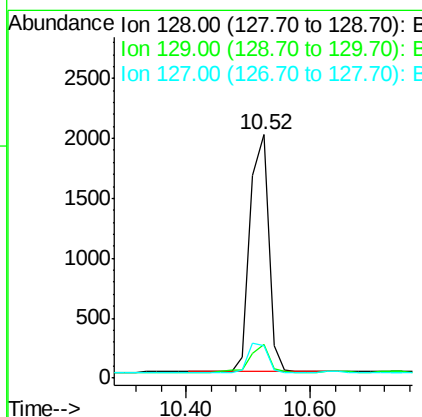
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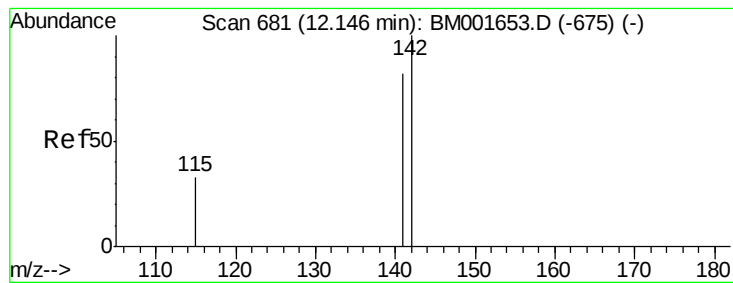
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt Ion:	128	Resp:	4111
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.4	14.2
127	13.5	9.7	14.5





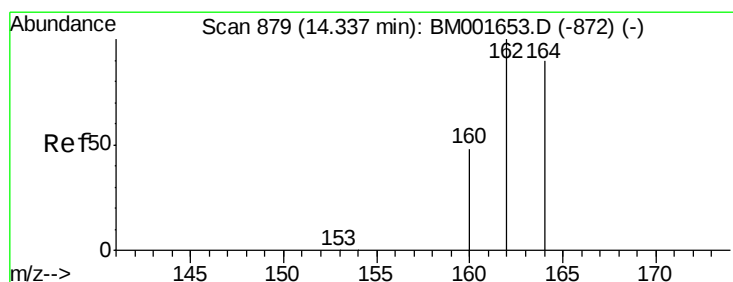
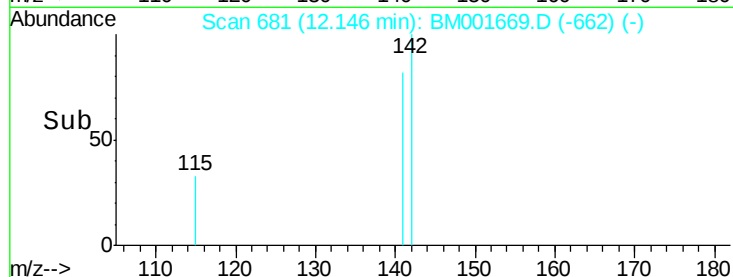
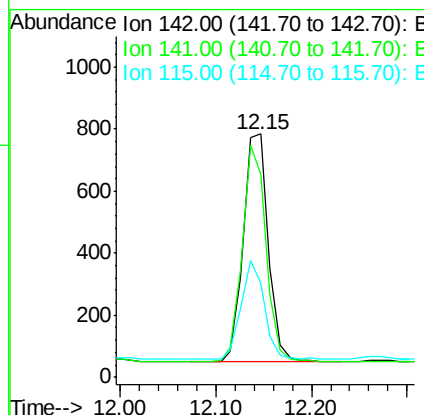
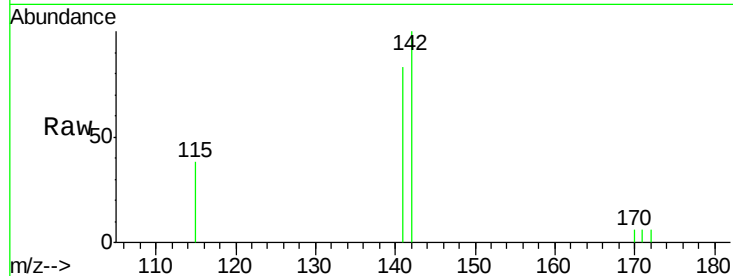
#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.15 min Scan# 681
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Instrument :
BNA_M
ClientSampleID :
FM2ADL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.2	65.8	98.6
115	38.3	27.0	40.6

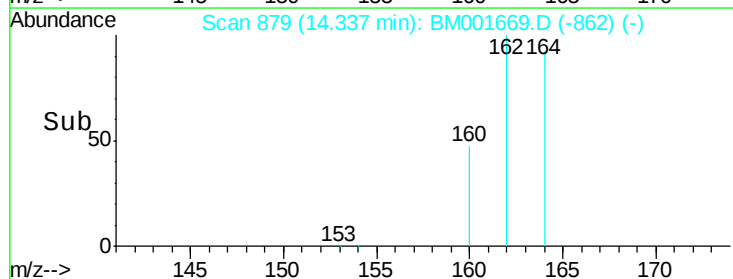
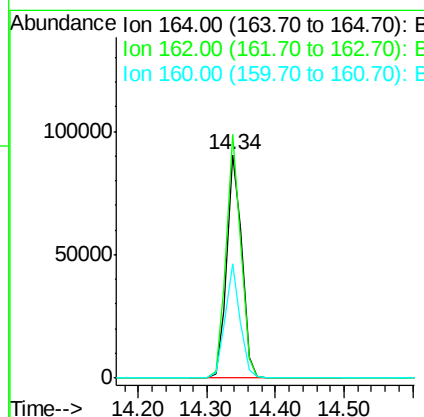
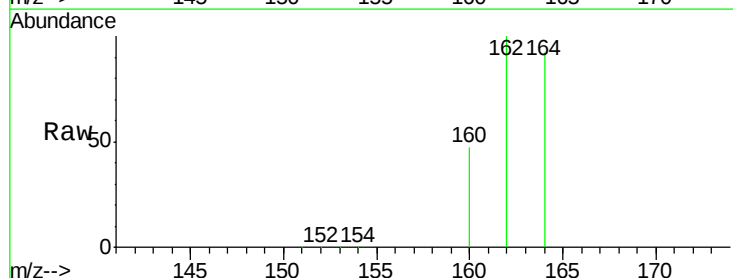
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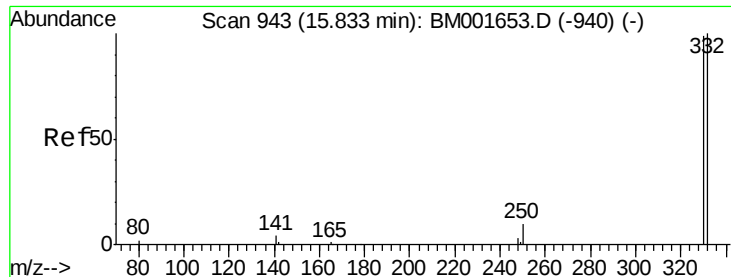
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.8	89.0	133.4
160	51.2	42.6	63.8





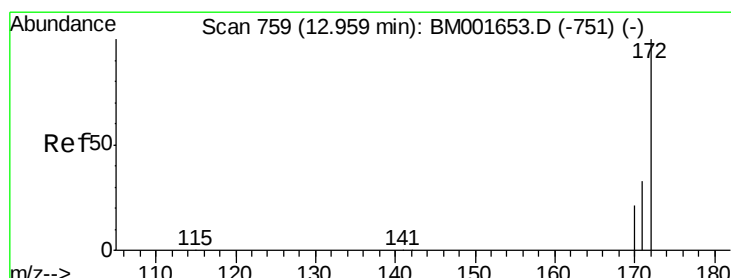
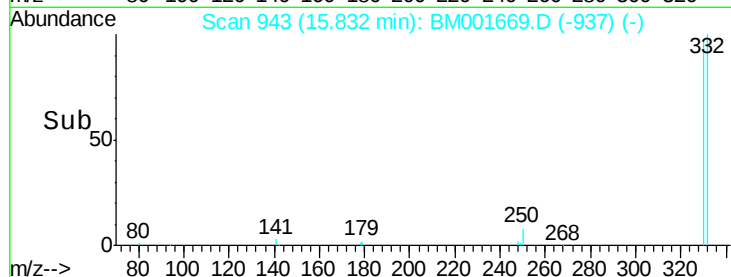
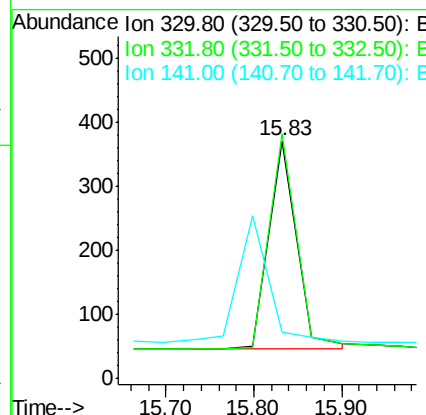
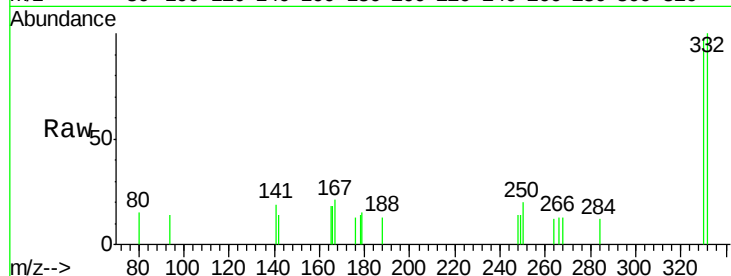
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 2,4,6-Tribromophenol
 Concen: 0.14 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001669.D
 Acq: 12 Jun 2015 09:40

Instrument :
 BNA_M
 ClientSampleID :
 FM2ADL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.2	80.6	120.8
141	0.0	0.0	0.0

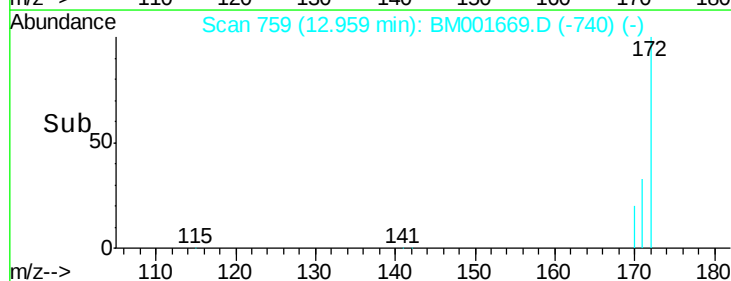
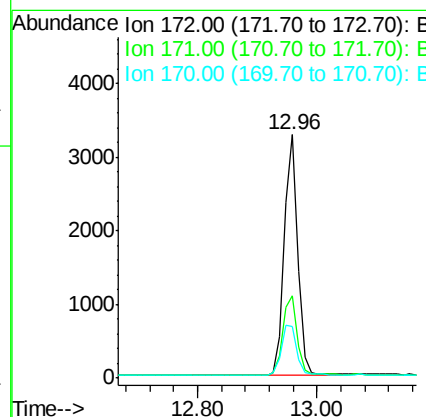
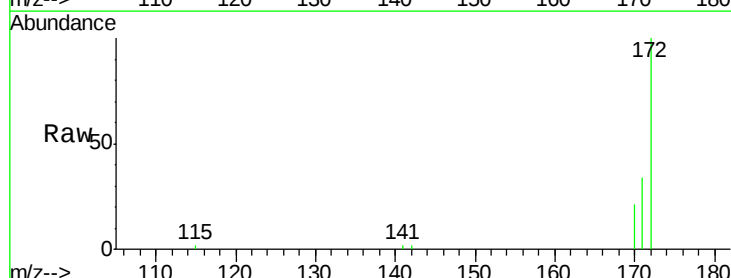
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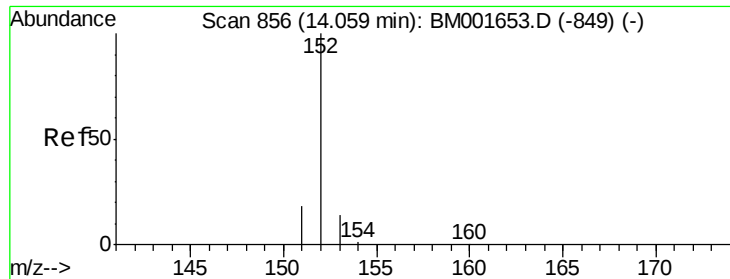
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#14
 2-Fluorobiphenyl
 Concen: 0.10 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001669.D
 Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.6	40.0
170	21.3	17.1	25.7





#15

Acenaphthylene

Concen: 0.05 ng

RT: 14.05 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

ClientSampleId :

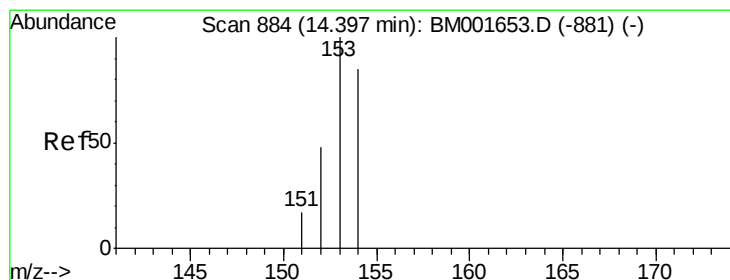
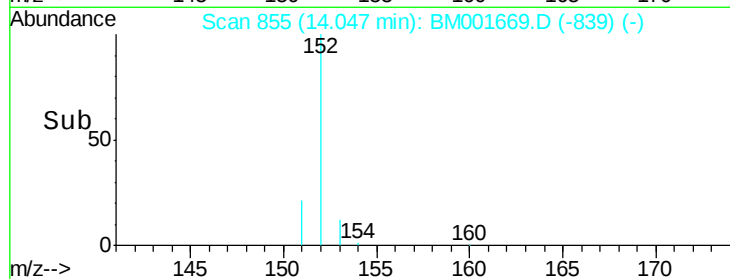
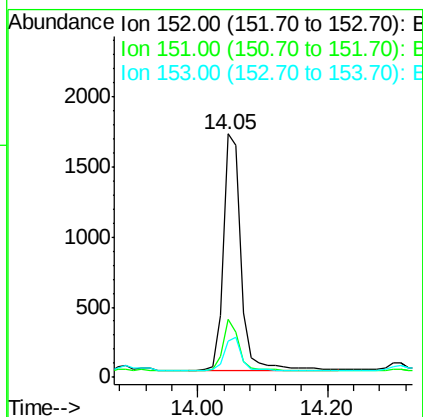
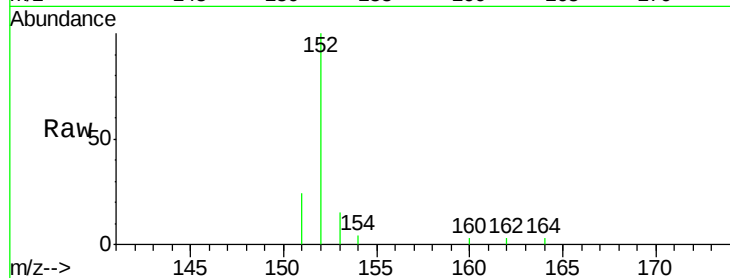
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3
153	13.9	10.2	15.4



#16

Acenaphthene

Concen: 0.07 ng

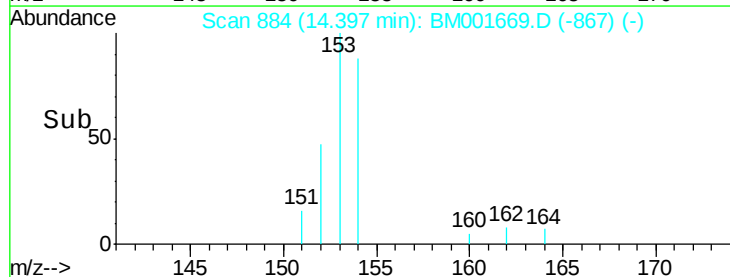
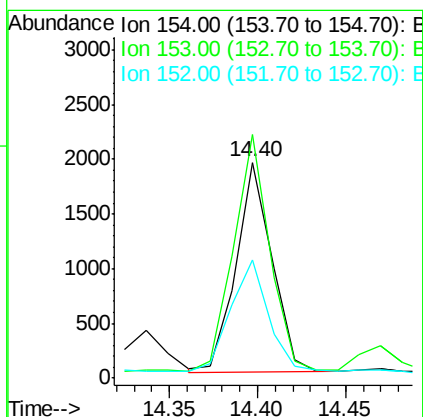
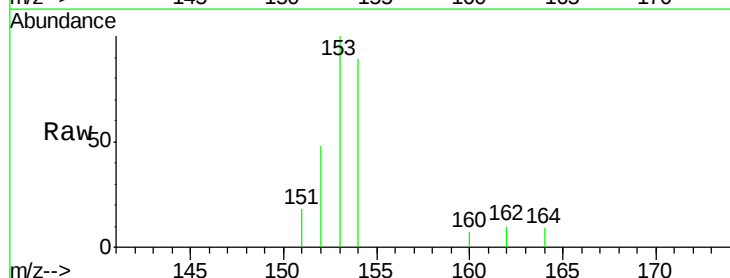
RT: 14.40 min Scan# 884

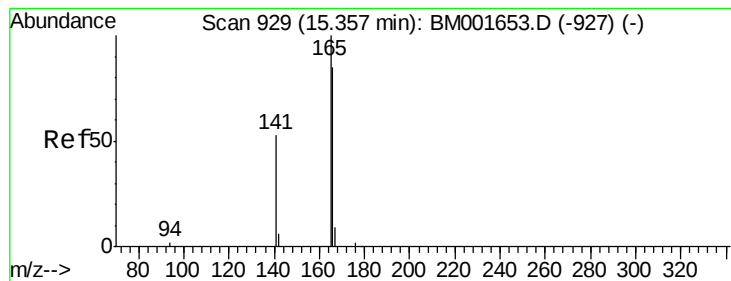
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.0	136.6
152	55.8	43.8	65.8





#17

Fluorene

Concen: 0.09 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001669.D

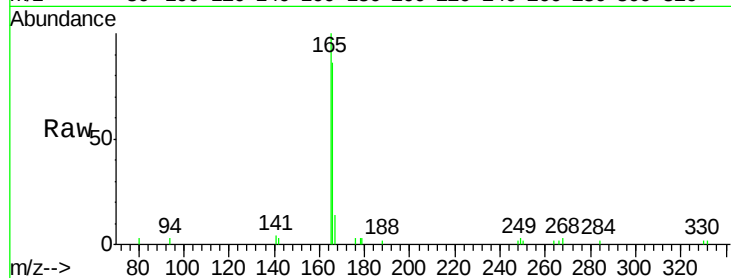
Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

ClientSampled :

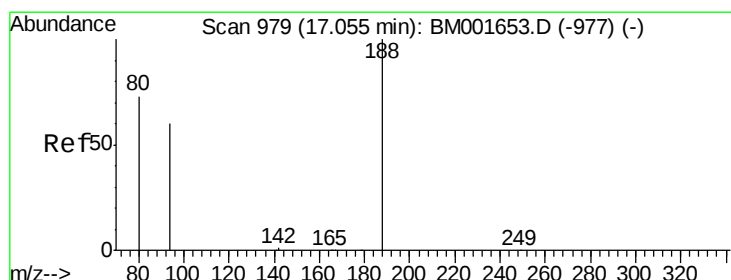
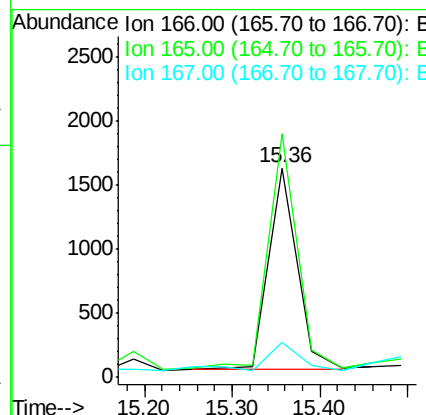
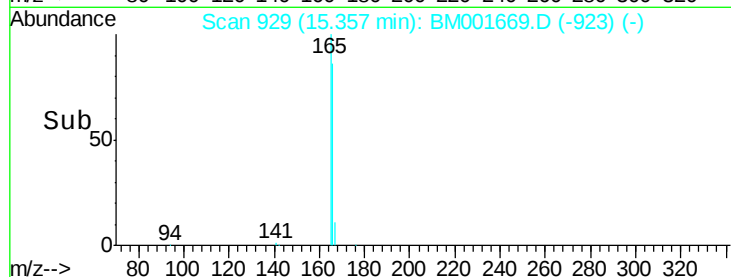
FM2ADL



Tgt Ion:	166	Resp:	3601
Ion Ratio	Lower	Upper	
166	100		
165	113.9	90.7	136.1
167	19.5	9.4	14.0#

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#18

Phenanthrene-d10

Concen: 5.00 ng

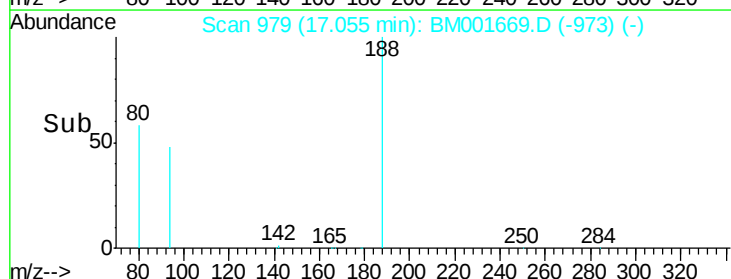
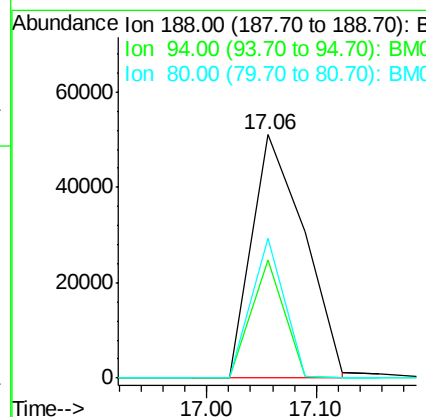
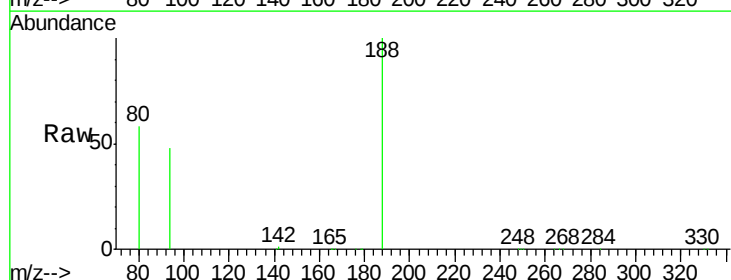
RT: 17.06 min Scan# 979

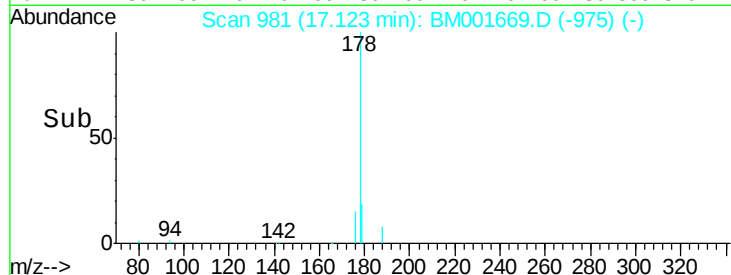
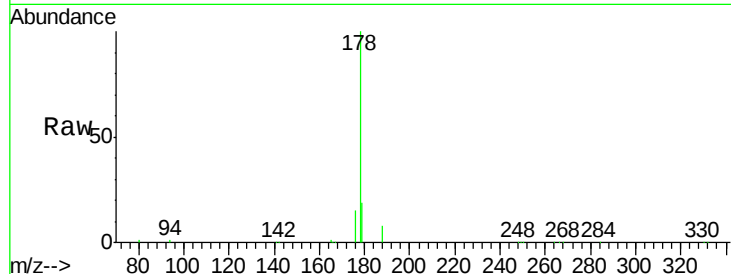
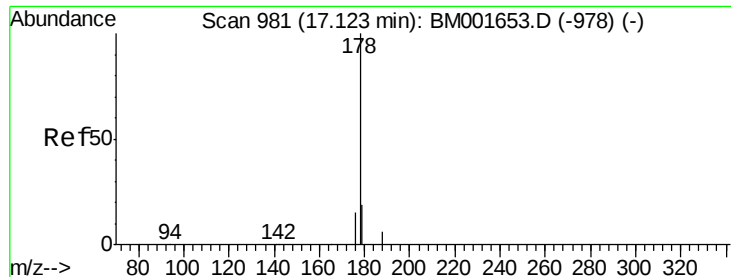
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt Ion:	188	Resp:	168749
Ion Ratio	Lower	Upper	
188	100		
94	48.3	48.3	72.5#
80	57.7	58.6	88.0#





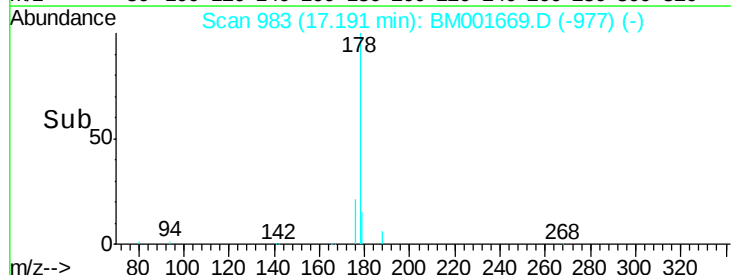
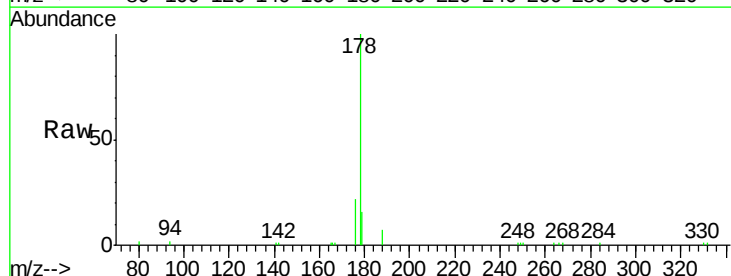
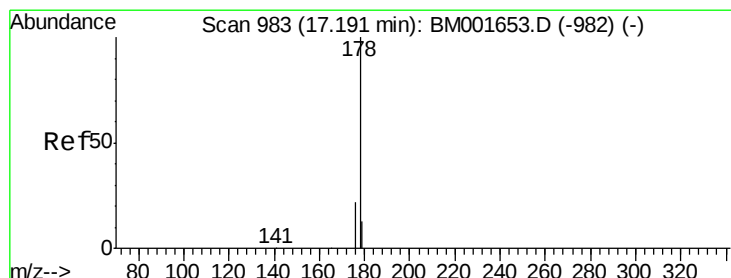
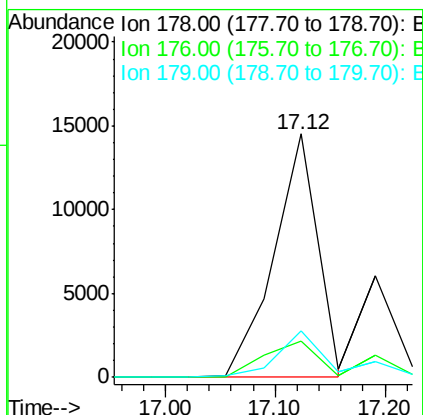
#22
Phenanthrene
Concen: 0.72 ng
RT: 17.12 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	0.0	0.0#
179	18.4	14.2	21.2

Instrument :
BNA_M
ClientSampleId :
FM2ADL

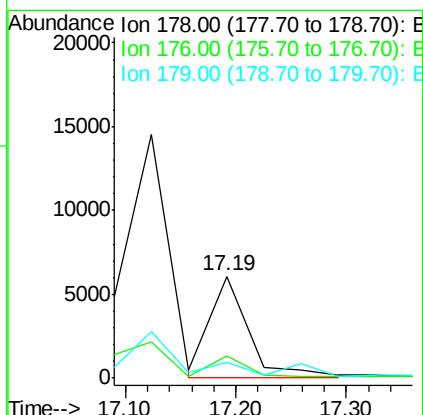
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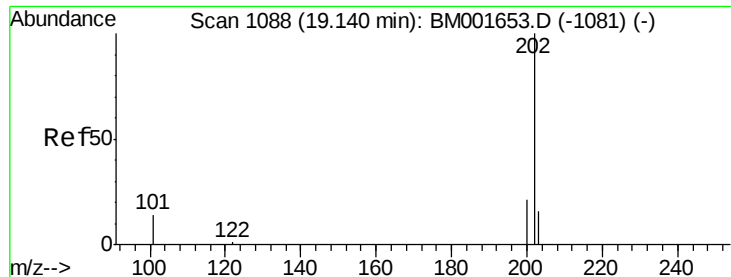
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#23
Anthracene
Concen: 0.23 ng m
RT: 17.19 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	67.0	0.0	0.0#
179	60.4	21.4	32.0#





#24

Fluoranthene

Concen: 1.10 ng

RT: 19.14 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

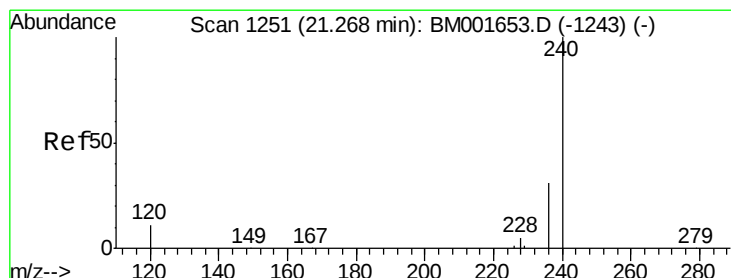
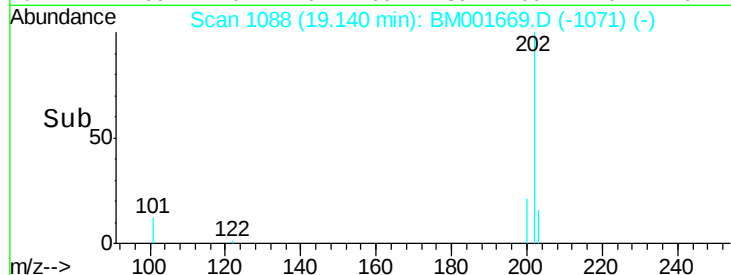
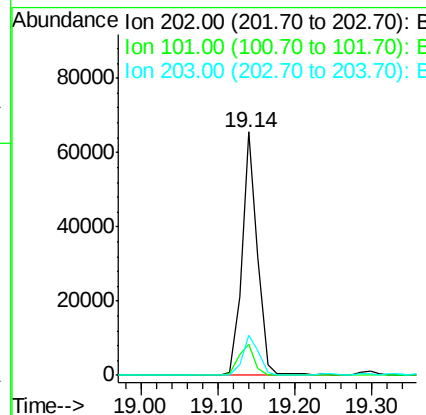
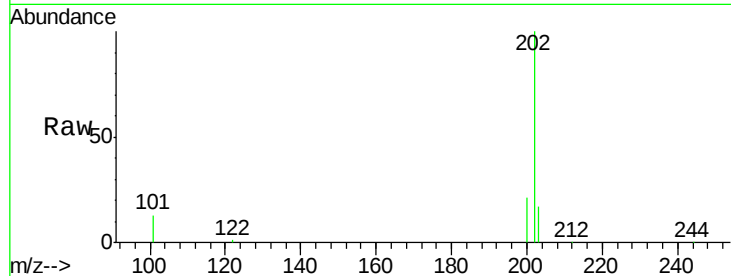
ClientSampleId :

FM2ADL

Tgt	Ion	202	Resp:	90104
Ion	Ratio	Lower	Upper	
202	100			
101	13.2	10.8	16.2	
203	17.2	13.8	20.8	

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#25

Chrysene-d12

Concen: 5.00 ng

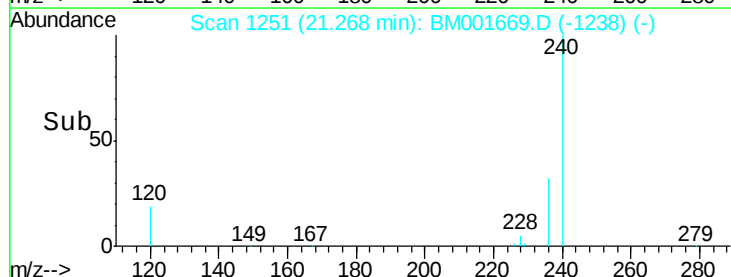
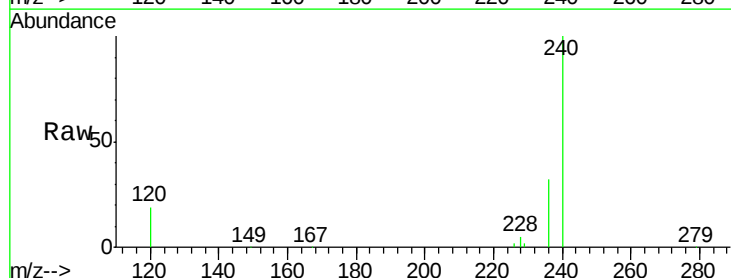
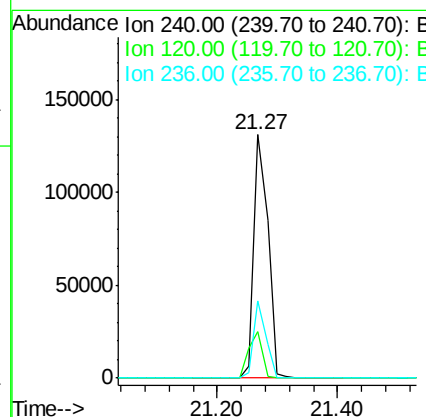
RT: 21.27 min Scan# 1251

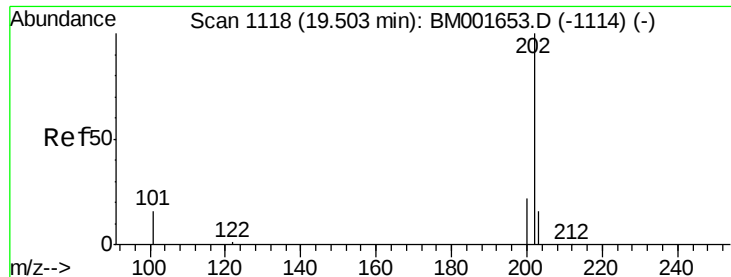
Delta R.T. -0.00 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

Tgt	Ion	240	Resp:	210048
Ion	Ratio	Lower	Upper	
240	100			
120	19.1	8.9	13.3#	
236	31.9	24.6	36.8	





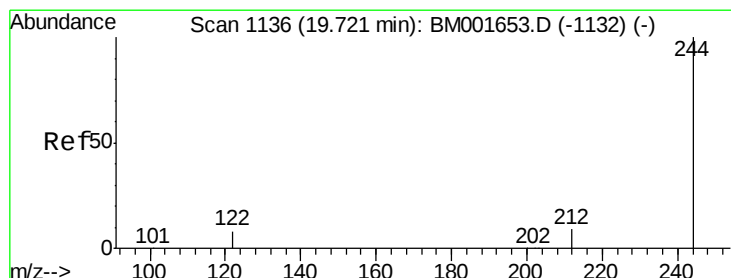
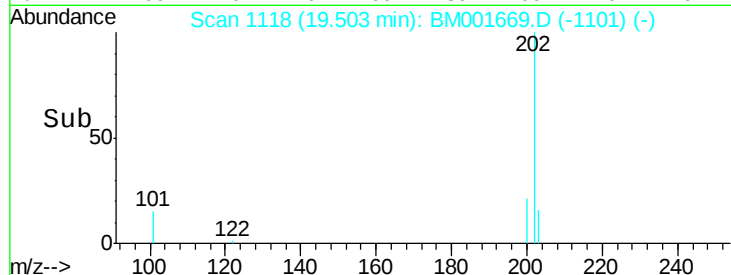
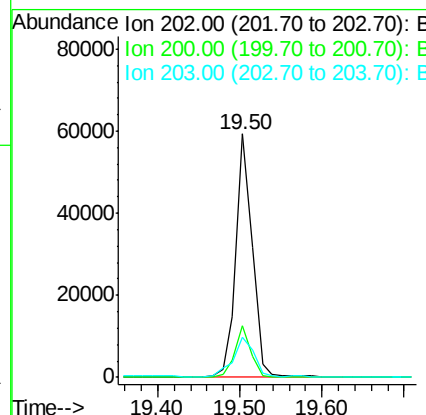
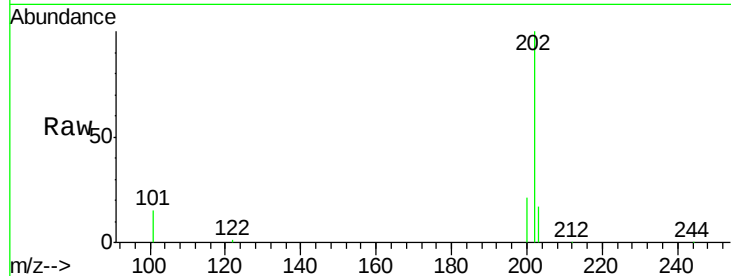
#26
Pyrene
Concen: 1.14 ng
RT: 19.50 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Instrument :
BNA_M
ClientSampleId :
FM2ADL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	16.6	24.8
203	21.1	13.8	20.8

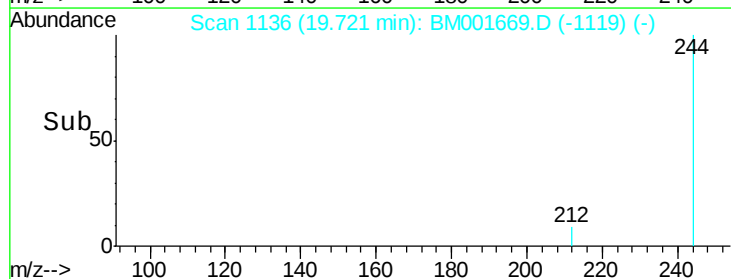
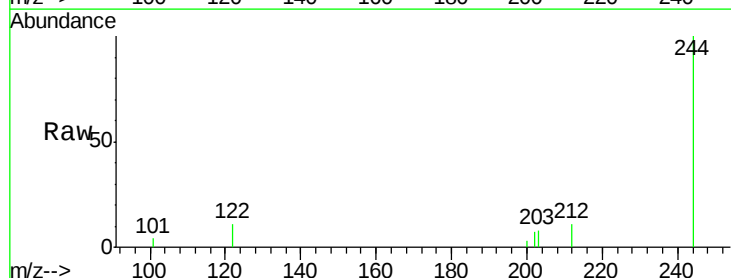
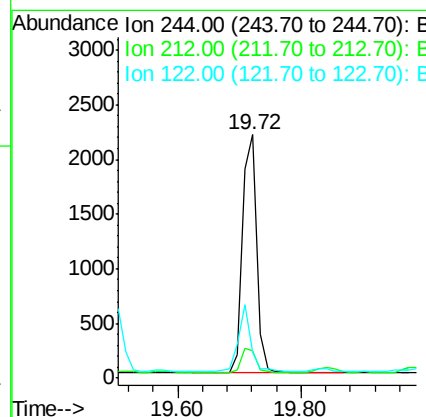
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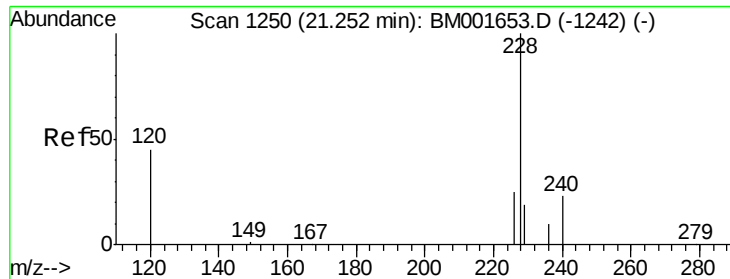
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#27
Terphenyl-d14
Concen: 0.11 ng
RT: 19.72 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	11.4	7.7	11.5
122	10.6	6.9	10.3





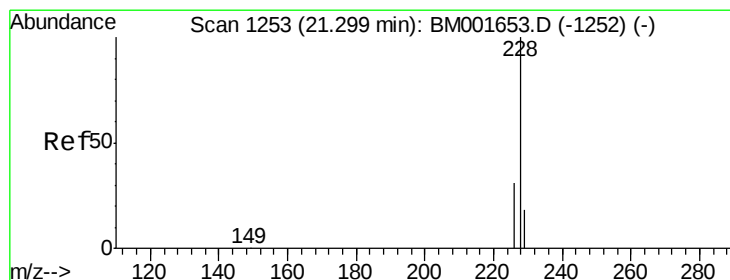
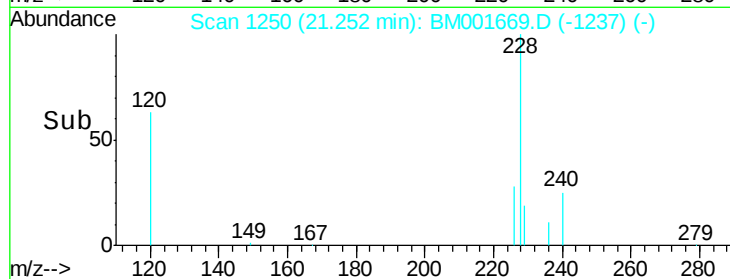
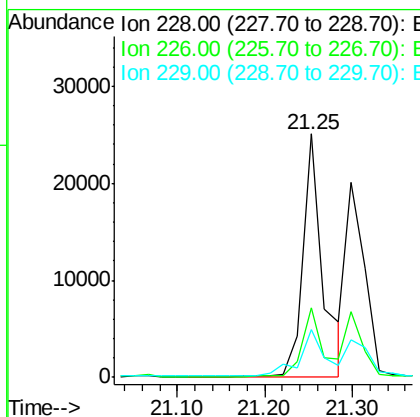
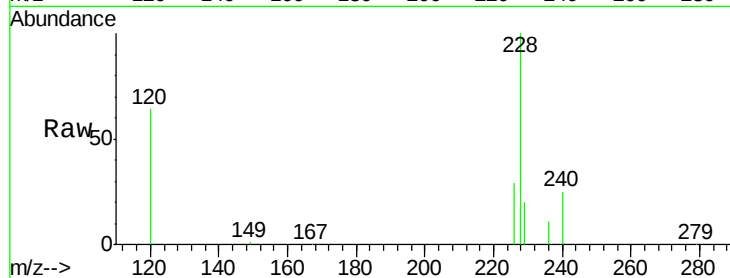
#28
Benzo(a)anthracene
Concen: 0.60 ng
RT: 21.25 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Instrument :
BNA_M
ClientSampleId :
FM2ADL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.2	30.4
229	19.7	15.7	23.5

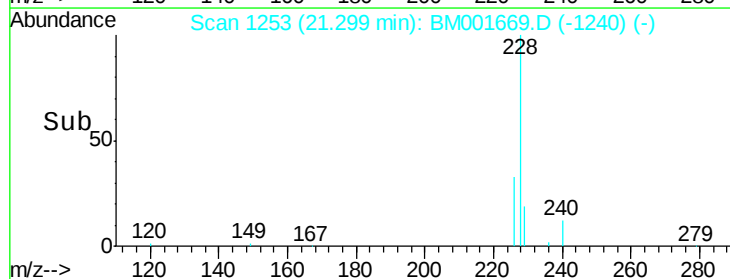
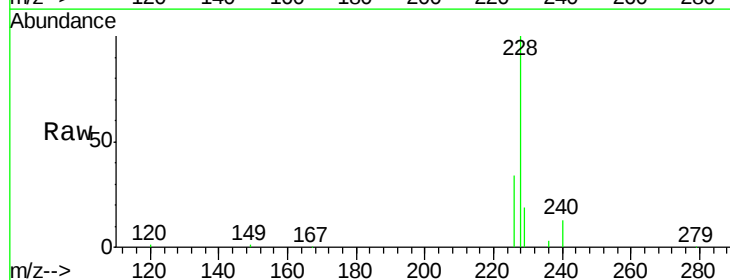
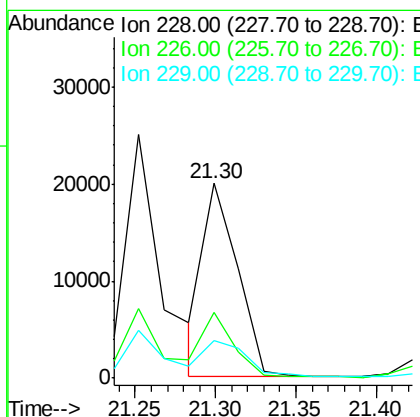
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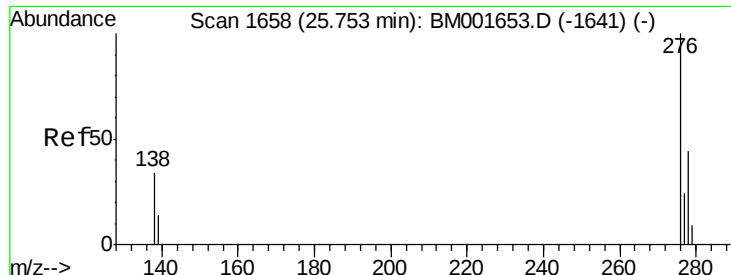
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#29
Chrysene
Concen: 0.46 ng
RT: 21.30 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.8	38.8
229	19.3	14.1	21.1





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.75 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BM001669.D

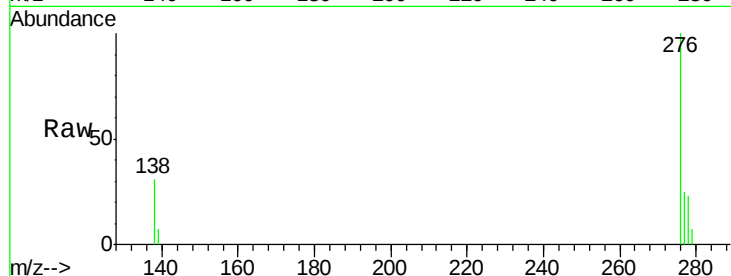
Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

ClientSampleId :

FM2ADL



Tgt Ion: 276 Resp: 12856

Ion Ratio Lower Upper

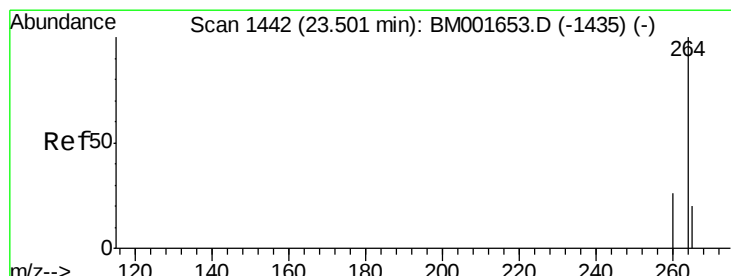
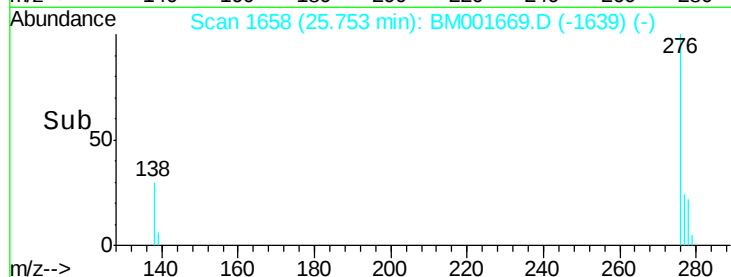
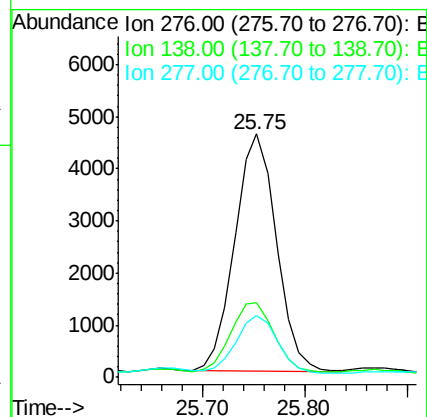
276 100

138 30.7 28.8 43.2

277 24.3 19.6 29.4

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

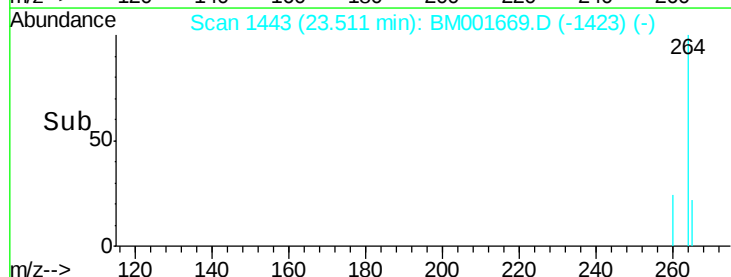
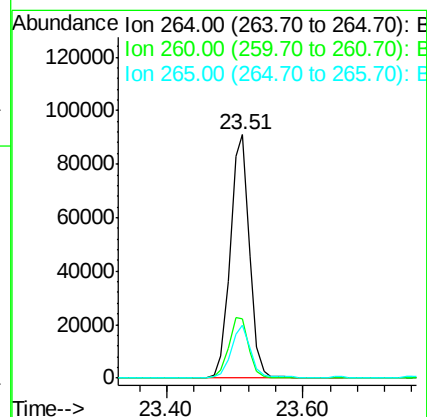
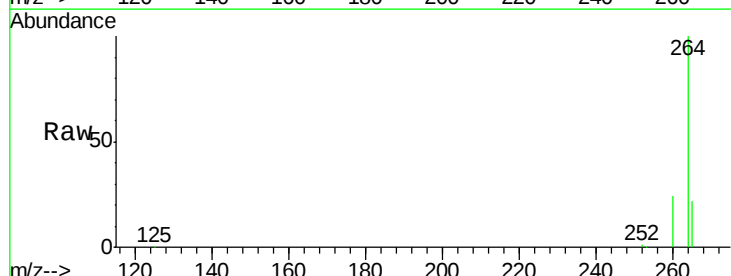
Tgt Ion: 264 Resp: 176082

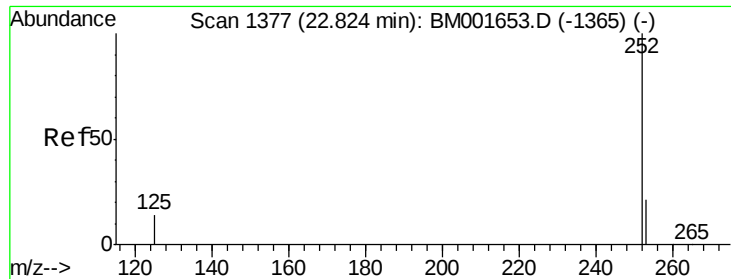
Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.0 16.9 25.3





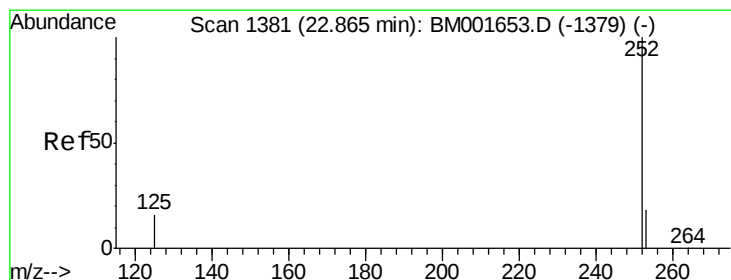
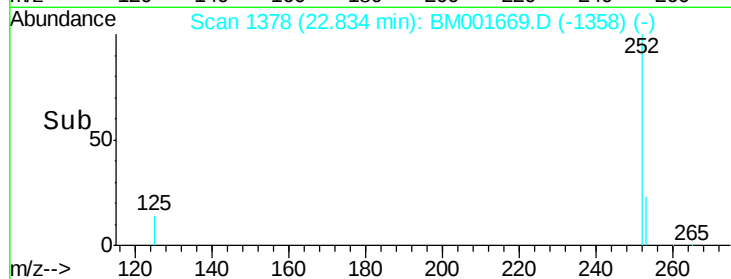
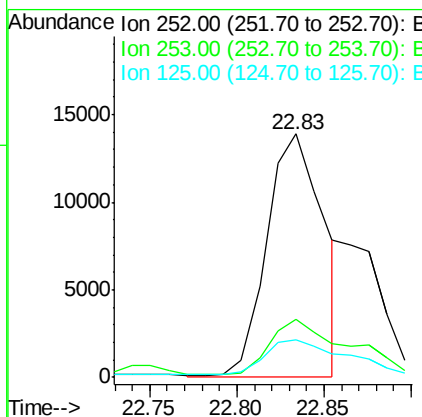
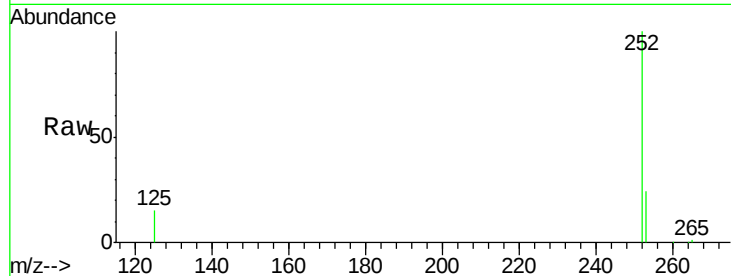
#33
Benzo(b)fluoranthene
Concen: 0.56 ng m
RT: 22.83 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Instrument :
BNA_M
ClientSampleId :
FM2ADL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	15.3	12.0	18.0

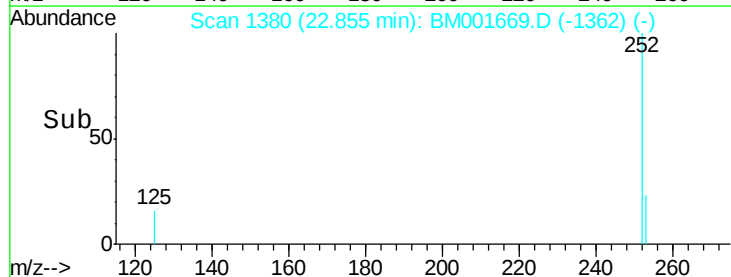
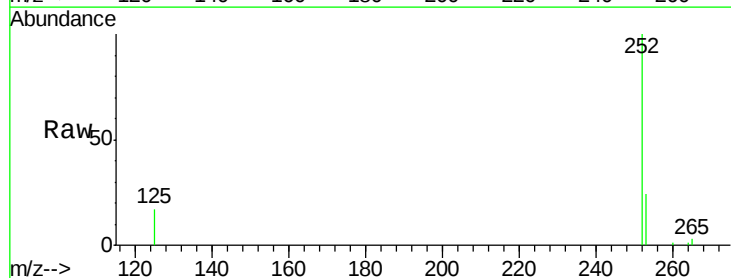
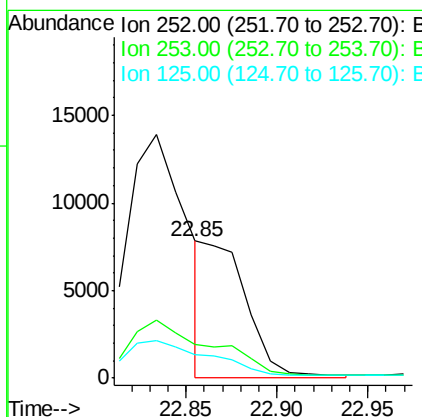
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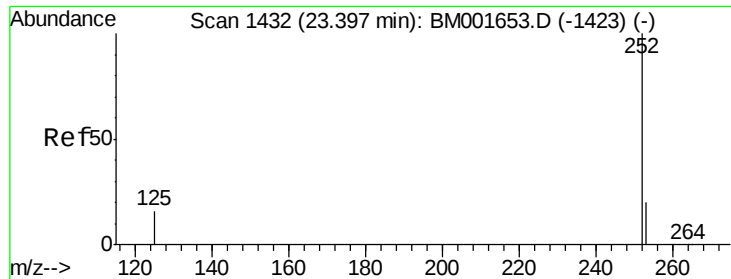
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#34
Benzo(k)fluoranthene
Concen: 0.23 ng m
RT: 22.85 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BM001669.D
Acq: 12 Jun 2015 09:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	17.2	12.5	18.7





#35

Benzo(a)pyrene

Concen: 0.47 ng

RT: 23.41 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BM001669.D

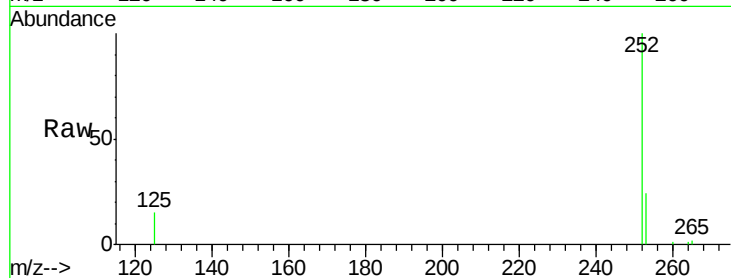
Acq: 12 Jun 2015 09:40

Instrument :

BNA_M

ClientSampleId :

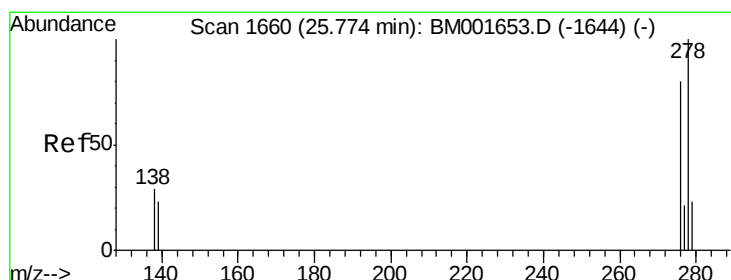
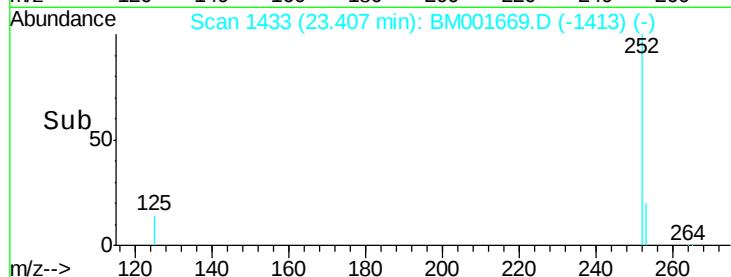
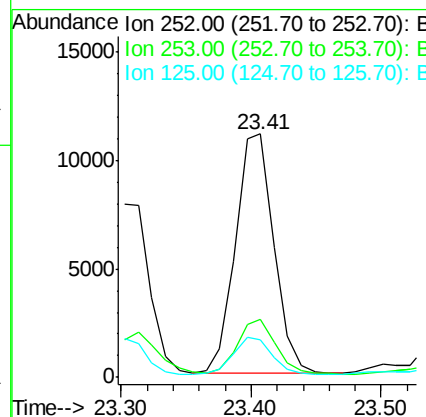
FM2ADL



Tgt Ion:	252	Resp:	22618
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	15.3	14.0	21.0

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#36

Dibenzo(a,h)anthracene

Concen: 0.09 ng

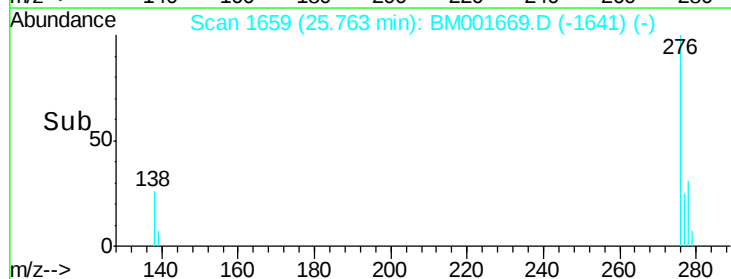
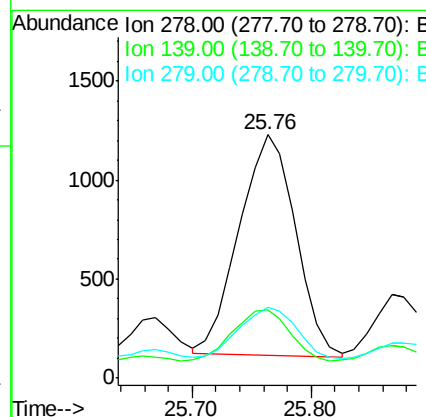
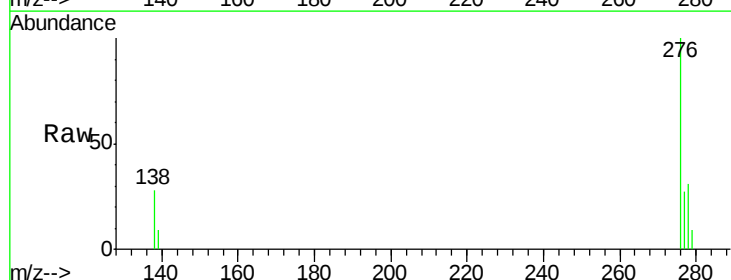
RT: 25.76 min Scan# 1659

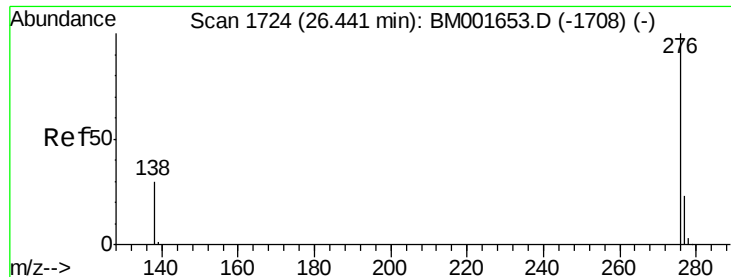
Delta R.T. -0.01 min

Lab File: BM001669.D

Acq: 12 Jun 2015 09:40

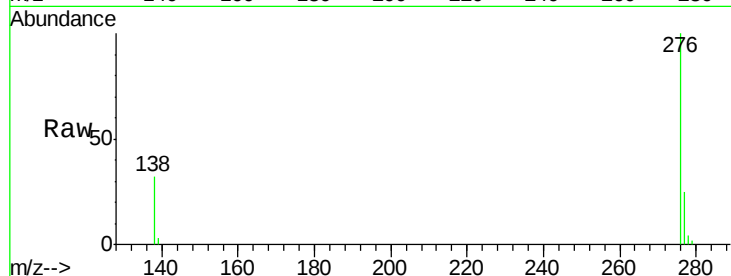
Tgt Ion:	278	Resp:	3653
Ion Ratio	Lower	Upper	
278	100		
139	27.8	19.1	28.7
279	29.1	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 0.33 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BM001669.D
 Acq: 12 Jun 2015 09:40

Instrument :
 BNA_M
 ClientSampleId :
 FM2ADL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.3	28.9
138	32.4	25.0	37.4

Manual Integrations
 APPROVED

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