

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031117\
 Data File : BM009204.D
 Acq On : 11 Mar 2017 12:55
 Operator : SJ/MA
 Sample : I2107-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual Integrations
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Quant Time: Mar 13 11:34:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 11:21:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	840	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	607	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1232m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1454	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1124m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	245	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	657m	0.17	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	19960	8.24	ng/ul	94
5) 2-Methylnaphthalene	12.34	142	20635	11.85	ng/ul	100
7) Acenaphthylene	14.23	152	2736	0.87	ng/ul#	83
8) Acenaphthene	14.57	153	886	0.37	ng/ul#	85
9) Fluorene	15.56	166	1193	0.42	ng/ul#	63
12) Phenanthrene	17.30	178	28666	7.41	ng/ul	96
13) Anthracene	17.40	178	4437	1.16	ng/ul	93
15) Fluoranthene	19.33	202	49789	9.87	ng/ul	94
17) Pyrene	19.69	202	46100	9.22	ng/ul	95
18) Benzo(a)anthracene	21.42	228	27651	5.72	ng/ul	98
19) Chrysene	21.47	228	35588	7.77	ng/ul	95
21) Benzo(b)fluoranthene	23.07	252	58816m	13.32	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	15638m	4.01	ng/ul	
23) Benzo(a)pyrene	23.67	252	30475m	7.67	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	25667m	5.08	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	6705m	1.58	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	22466m	5.21	ng/ul	

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

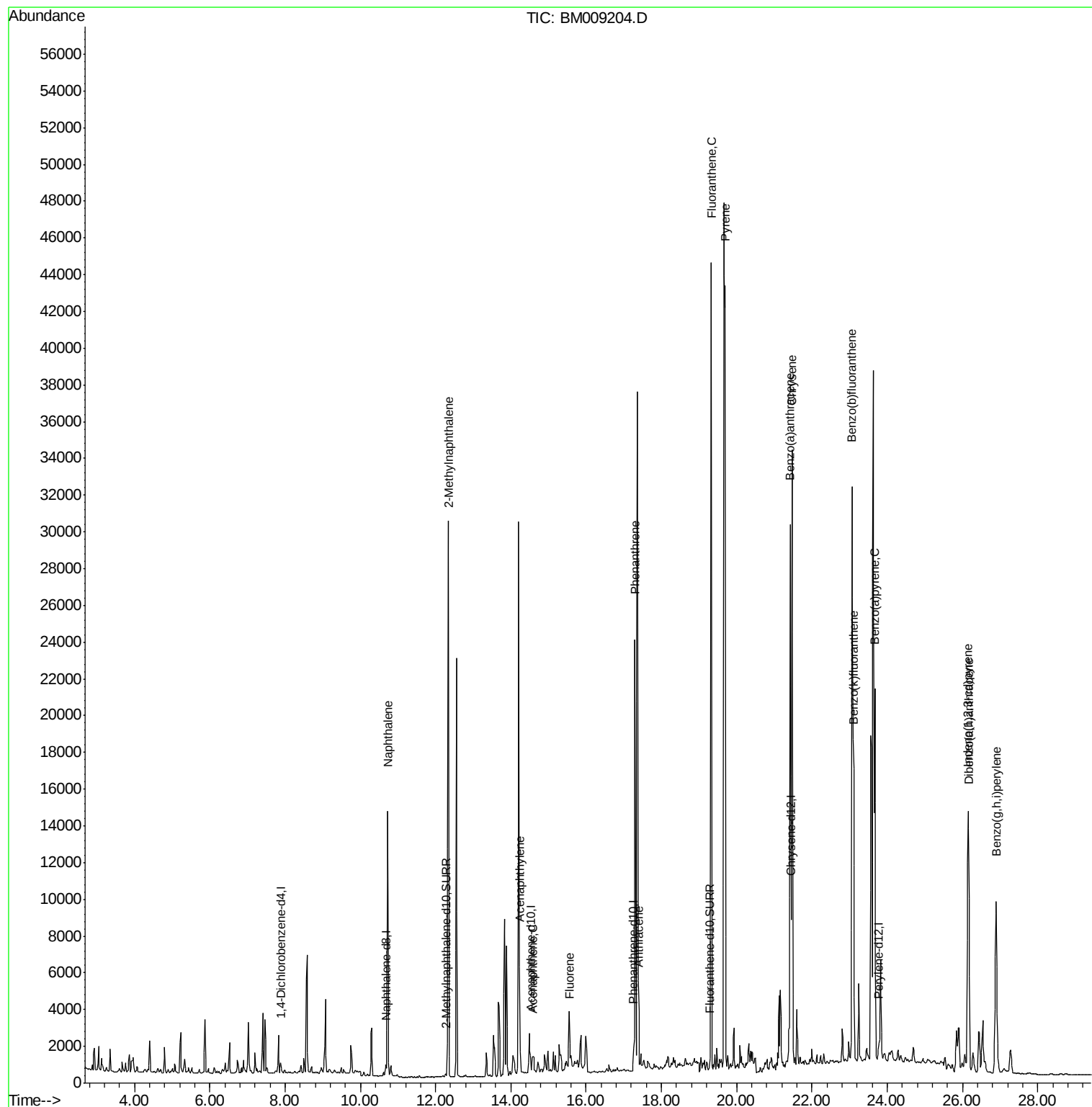
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ALS Vial : 4 Sample Multiplier: 1

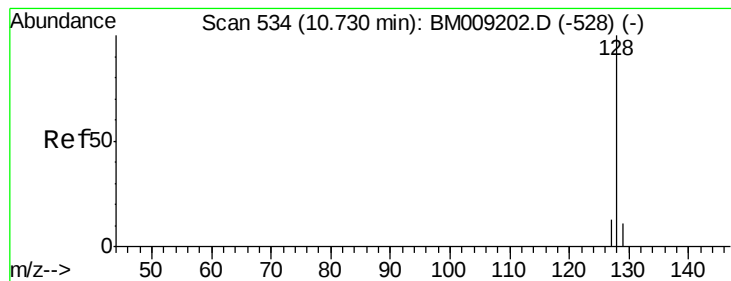
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QLast Update : Mon Mar 13 11:21:07 2017
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#3

Naphthalene

Concen: 8.24 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Instrument :

BNA_M

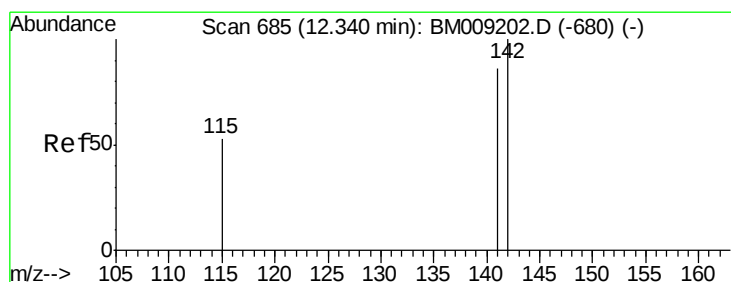
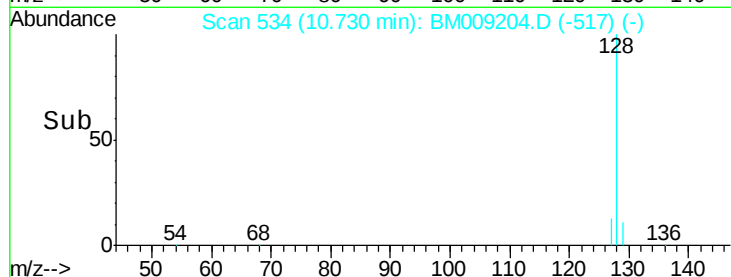
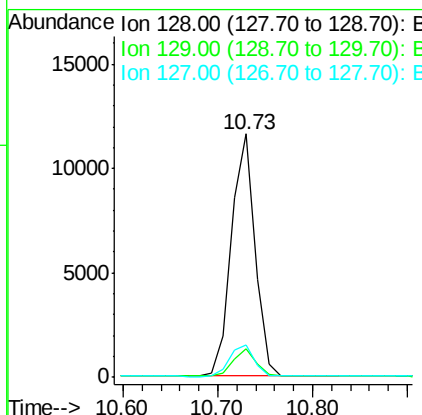
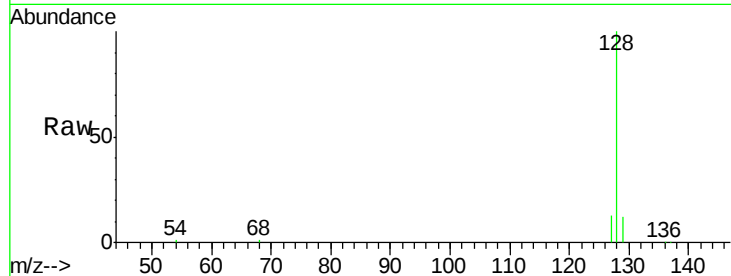
ClientSampleId :

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Tgt Ion:	128	Resp:	19960
Ion	Ratio	Lower	Upper
128	100		
129	11.6	11.3	16.9
127	13.1	12.8	19.2

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#5

2-Methylnaphthalene

Concen: 11.85 ng/ul

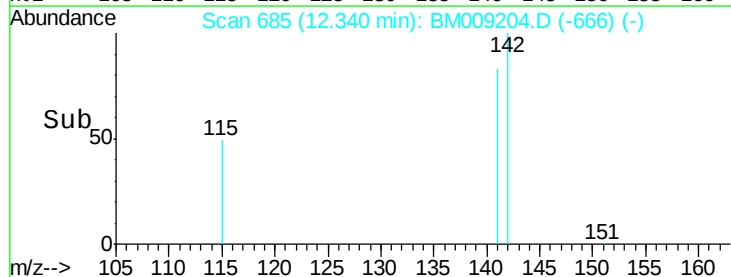
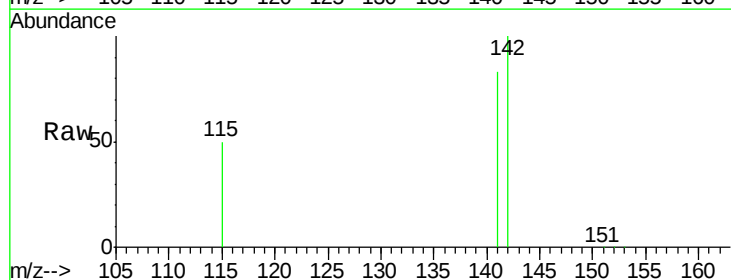
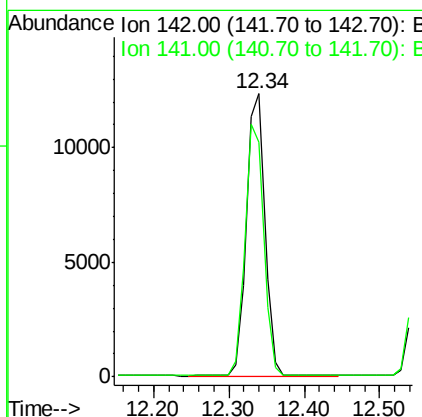
RT: 12.34 min Scan# 685

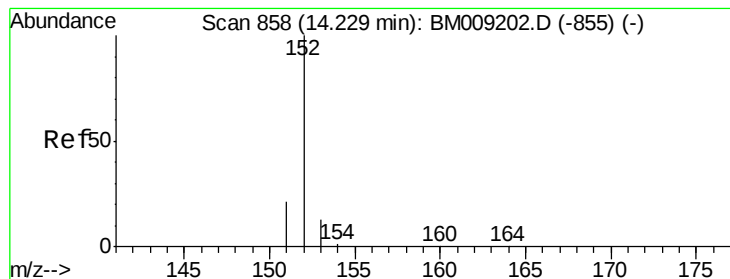
Delta R.T. 0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Tgt Ion:	142	Resp:	20635
Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.87 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Instrument :

BNA_M

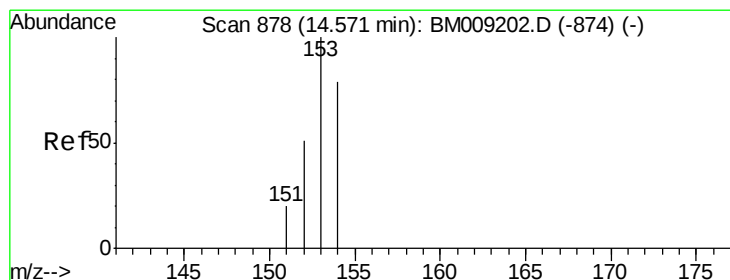
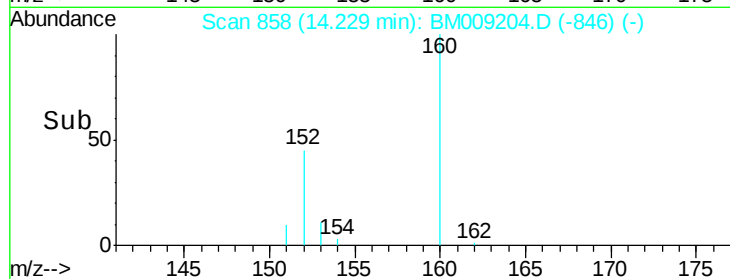
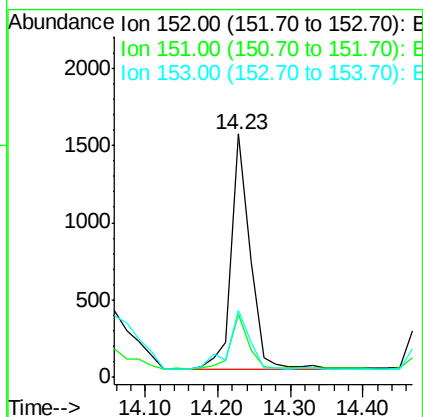
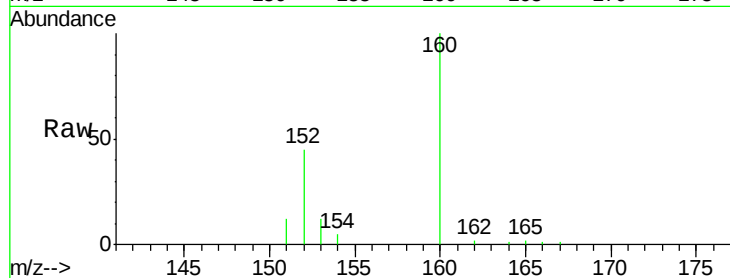
ClientSampleId :

C0AJ6

Tgt Ion:	152	Resp:	2736
Ion Ratio	Lower	Upper	
152	100		
151	25.9	17.1	25.7#
153	27.4	12.8	19.2#

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#8

Acenaphthene

Concen: 0.37 ng/ul

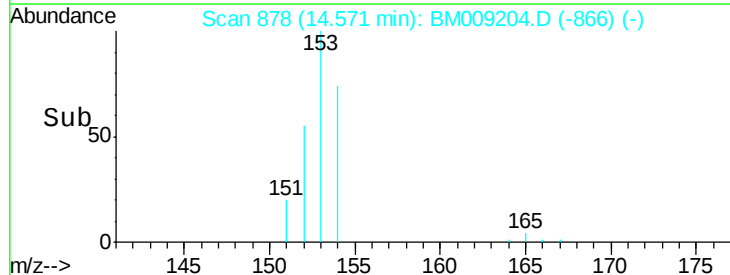
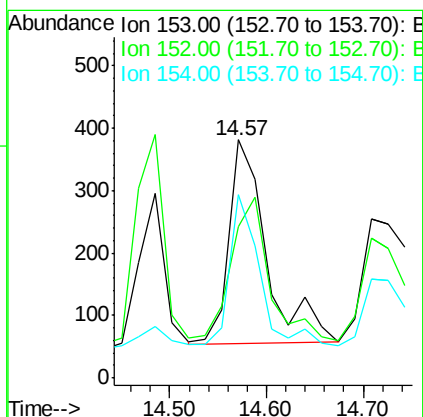
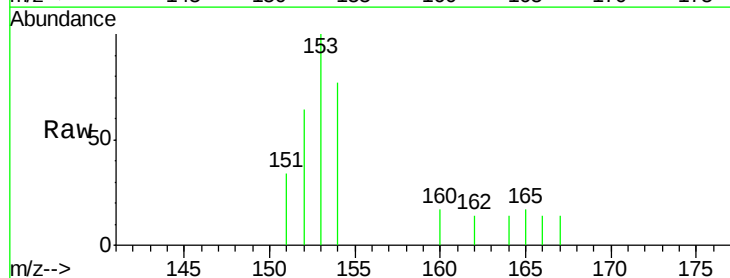
RT: 14.57 min Scan# 878

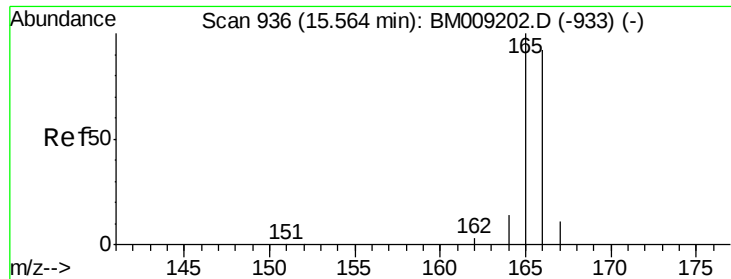
Delta R.T. 0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Tgt Ion:	153	Resp:	886
Ion Ratio	Lower	Upper	
153	100		
152	63.5	40.3	60.5#
154	77.2	71.4	107.2





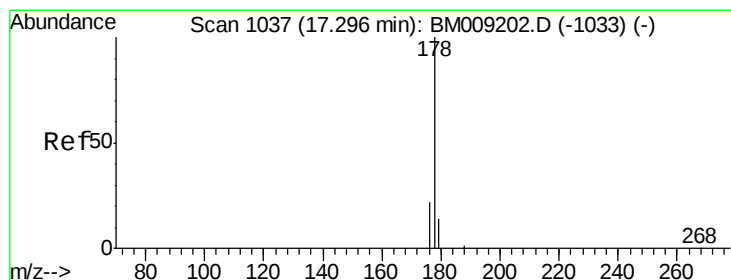
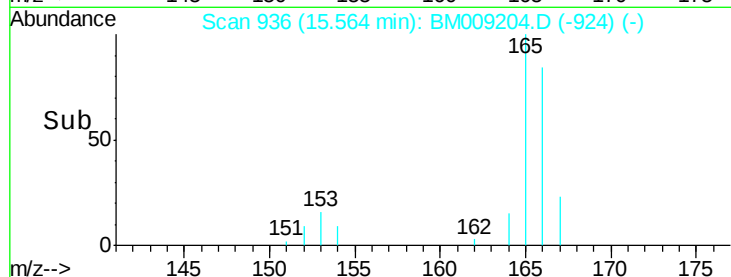
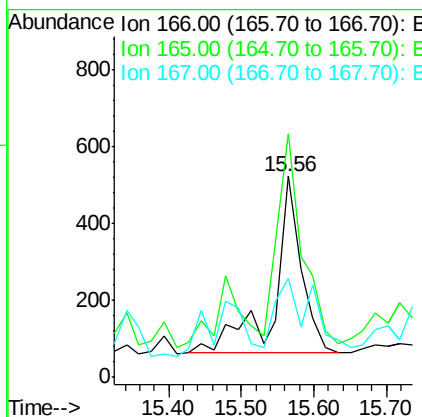
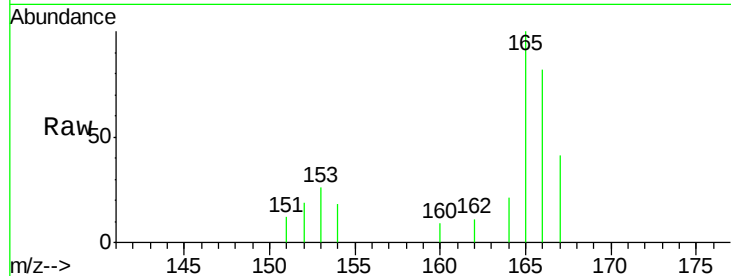
#9
Fluorene
 Concen: 0.42 ng/ul
 RT: 15.56 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM009204.D
 Acq: 11 Mar 2017 12:55

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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1193		
165	121.2	73.4	110.2#	
167	49.3	14.6	22.0#	

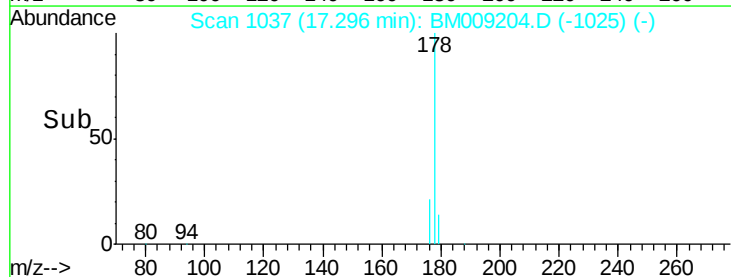
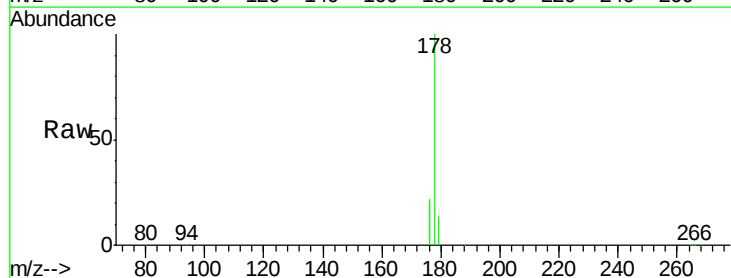
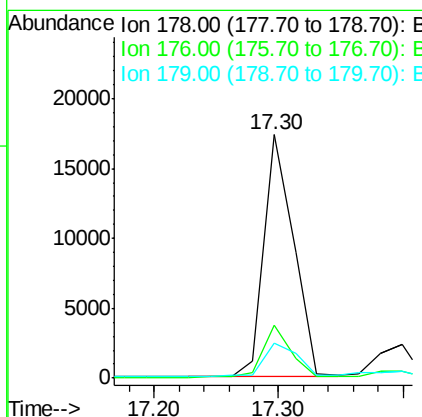
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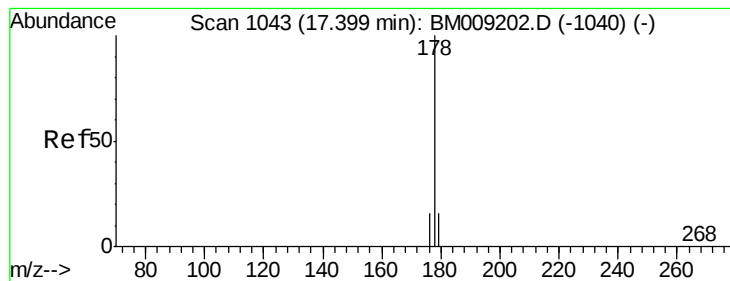
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#12
Phenanthrene
 Concen: 7.41 ng/ul
 RT: 17.30 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BM009204.D
 Acq: 11 Mar 2017 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	28666		
176	21.8	18.4	27.6	
179	14.4	13.6	20.4	





#13

Anthracene

Concen: 1.16 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009204.D

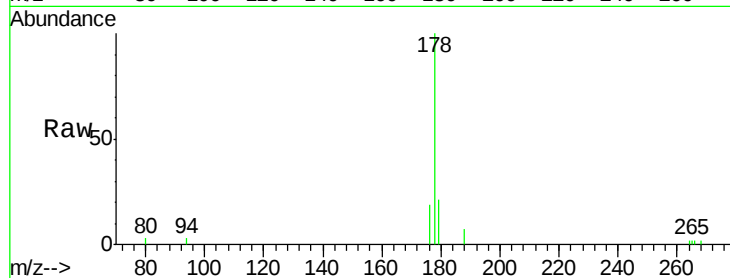
Acq: 11 Mar 2017 12:55

Instrument :

BNA_M

ClientSampleId :

C0AJ6



Tgt Ion:178 Resp: 4437

Ion Ratio Lower Upper

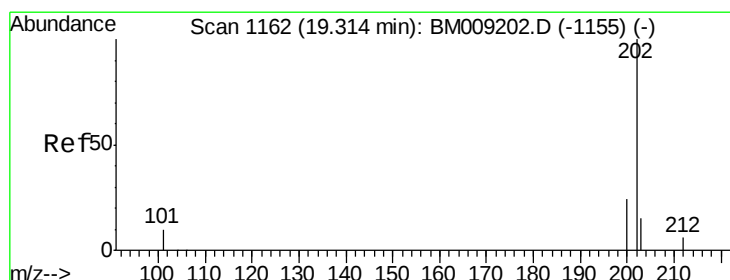
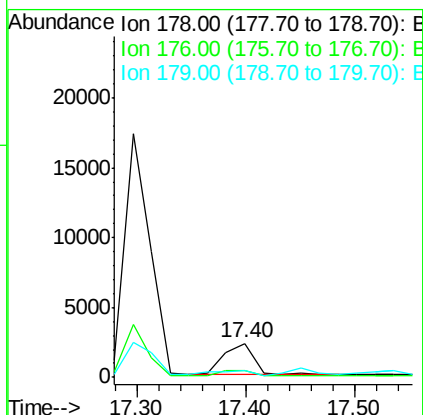
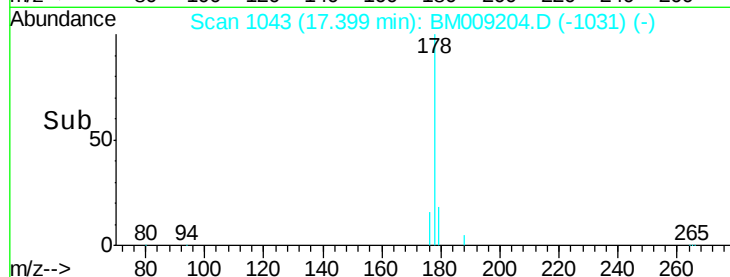
178 100

176 18.7 18.1 27.1

179 20.7 14.7 22.1

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#15

Fluoranthene

Concen: 9.87 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

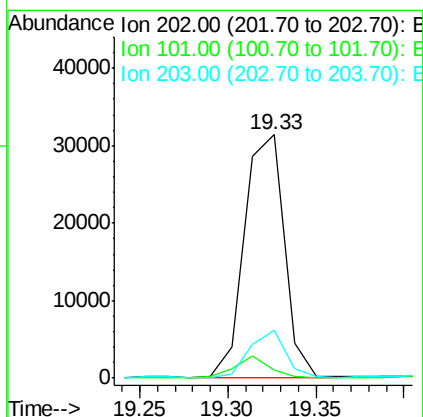
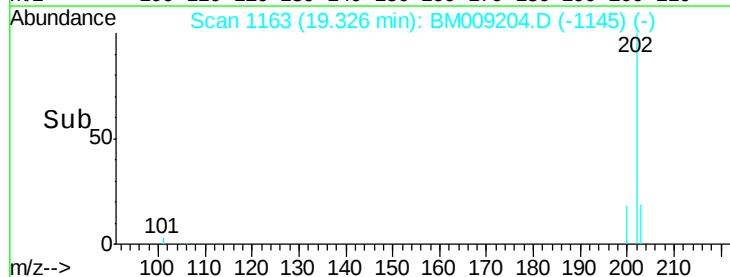
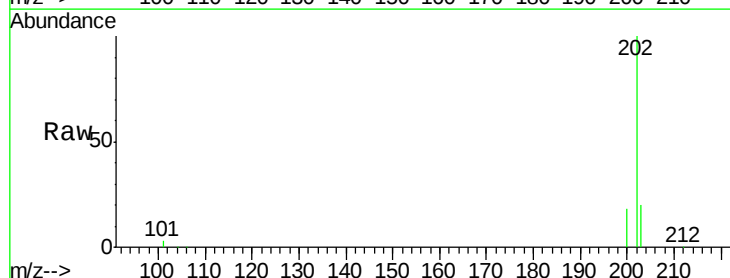
Tgt Ion:202 Resp: 49789

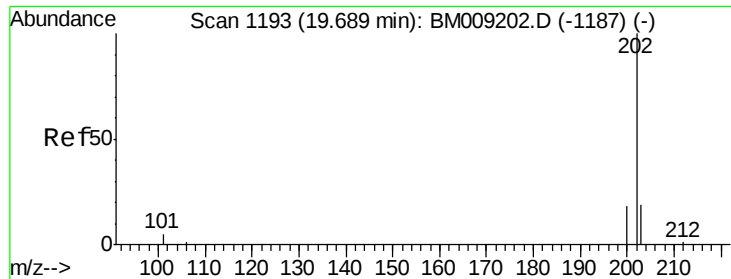
Ion Ratio Lower Upper

202 100

101 3.4 0.0 30.3

203 19.5 0.0 39.5





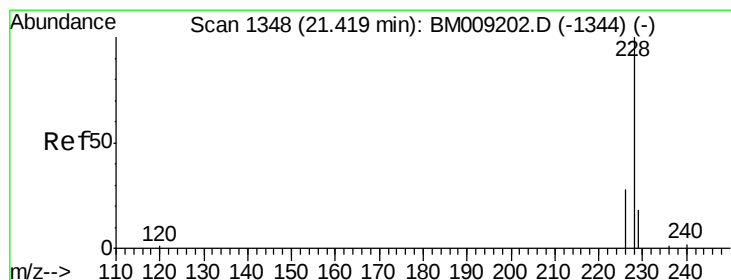
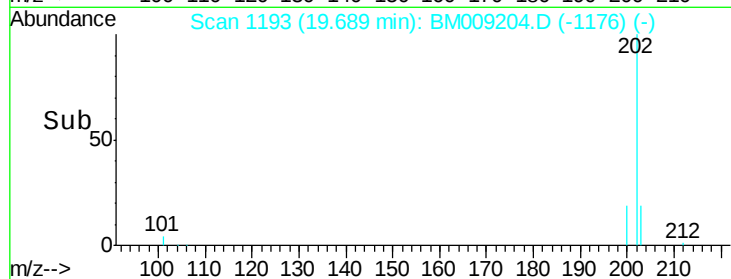
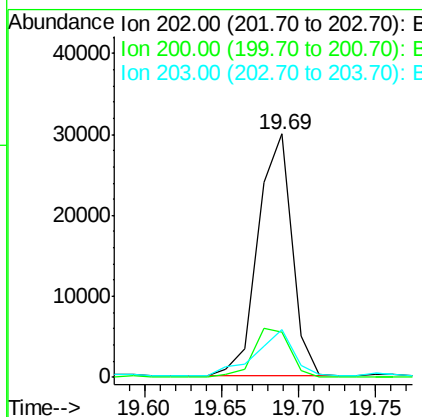
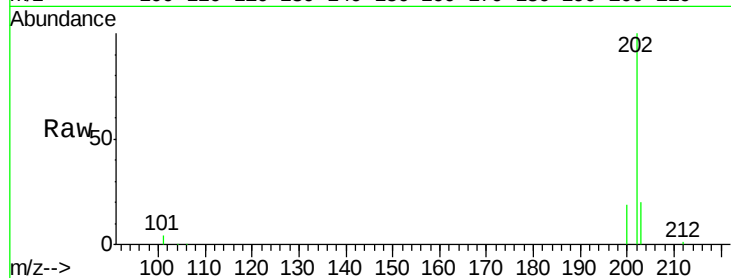
#17
 Pyrene
 Concen: 9.22 ng/ul
 RT: 19.69 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: BM009204.D
 Acq: 11 Mar 2017 12:55

Instrument :
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 ClientSampleId :
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Tgt Ion:	202	Resp:	46100
Ion Ratio	Lower	Upper	
202	100		
200	18.8	18.2	27.4
203	19.6	15.6	23.4

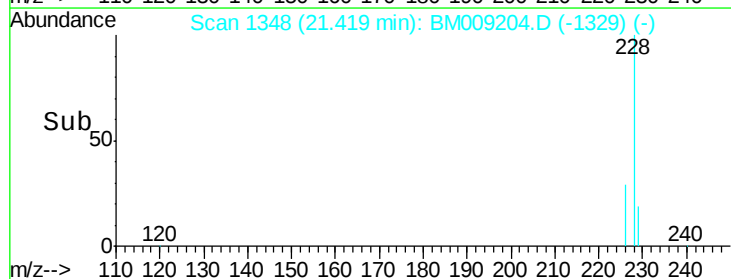
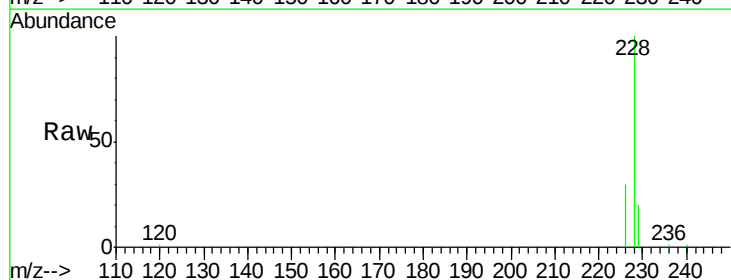
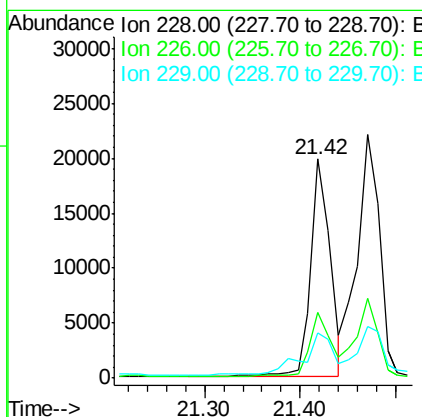
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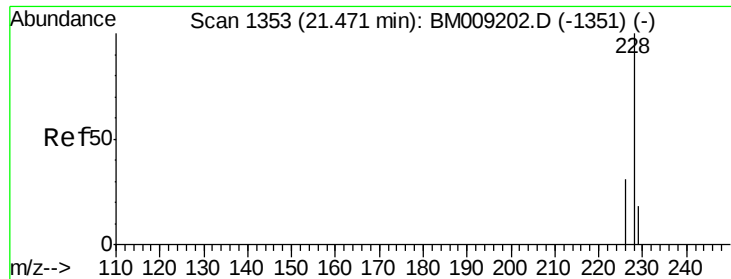
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#18
 Benzo(a)anthracene
 Concen: 5.72 ng/ul
 RT: 21.42 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: BM009204.D
 Acq: 11 Mar 2017 12:55

Tgt Ion:	228	Resp:	27651
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.8	34.2
229	20.4	17.0	25.6





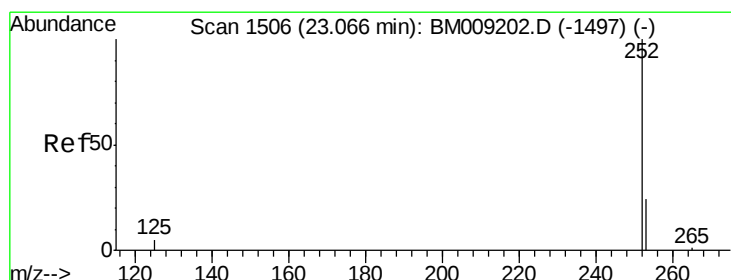
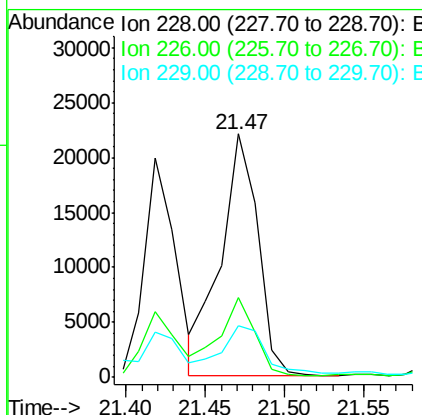
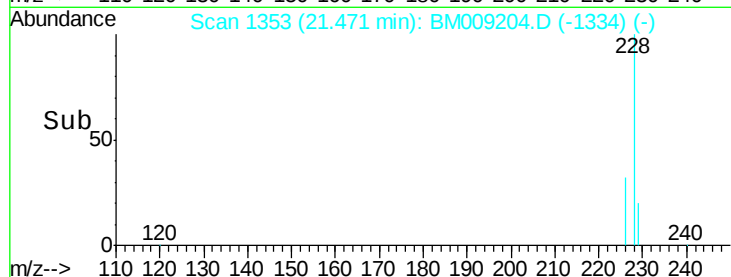
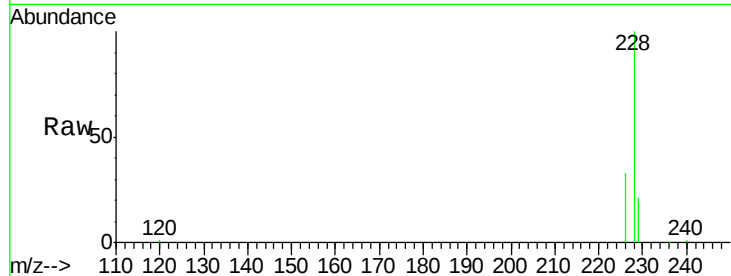
#19
Chrysene
Concen: 7.77 ng/ul
RT: 21.47 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM009204.D
Acq: 11 Mar 2017 12:55

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Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.4	35.0
229	21.0	17.7	26.5

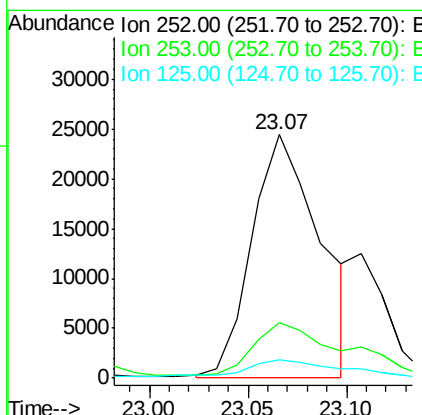
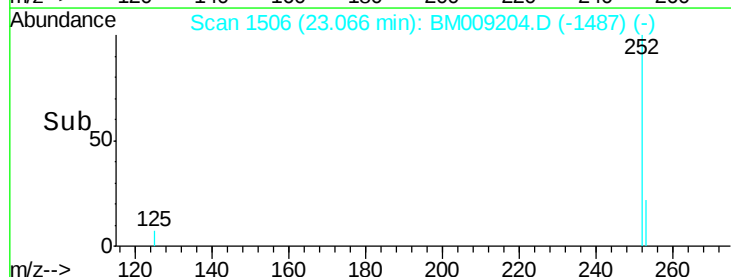
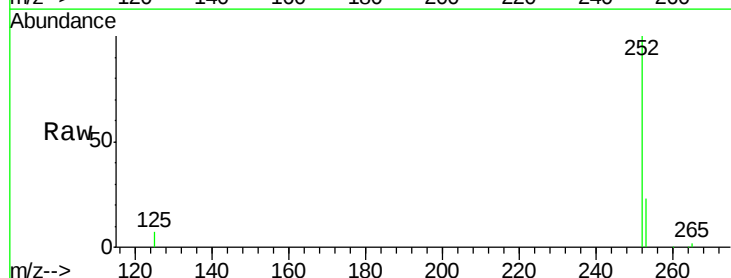
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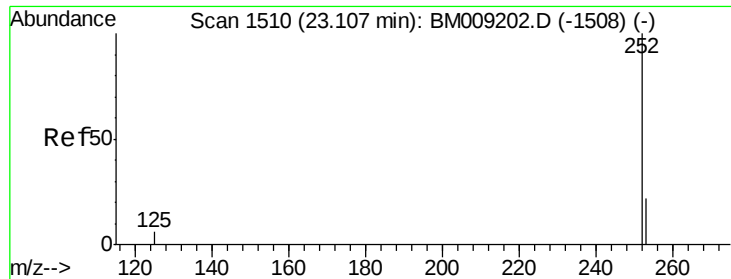
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#21
Benzo(b)fluoranthene
Concen: 13.32 ng/ul m
RT: 23.07 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BM009204.D
Acq: 11 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	64.2
125	7.5	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 4.01 ng/ul m

RT: 23.11 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Instrument :

BNA_M

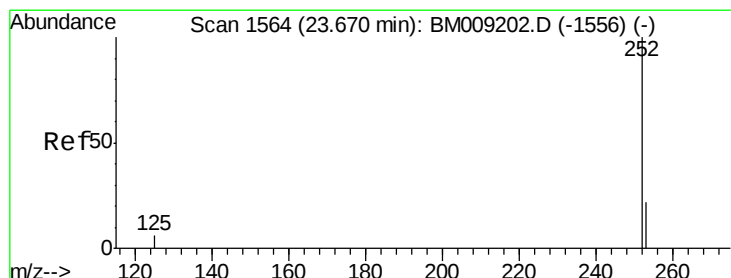
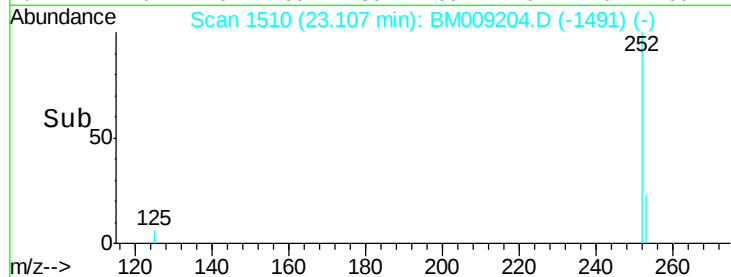
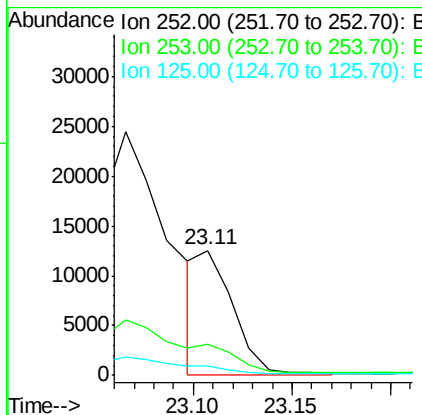
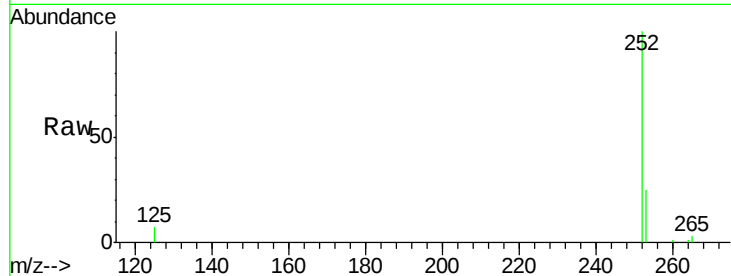
ClientSampleId :

C0AJ6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	24.5	36.7
125	7.3	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 7.67 ng/ul m

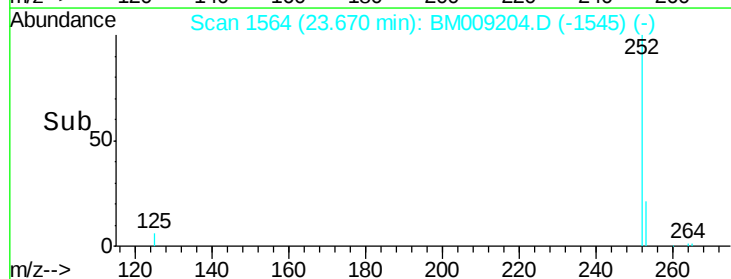
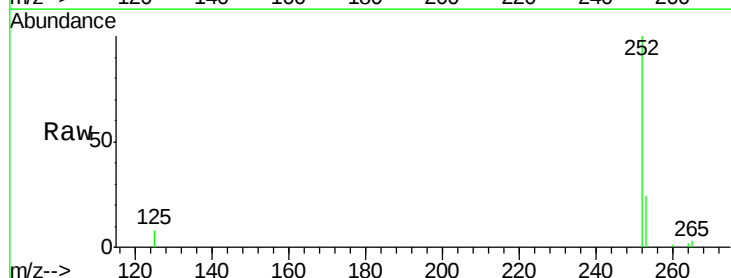
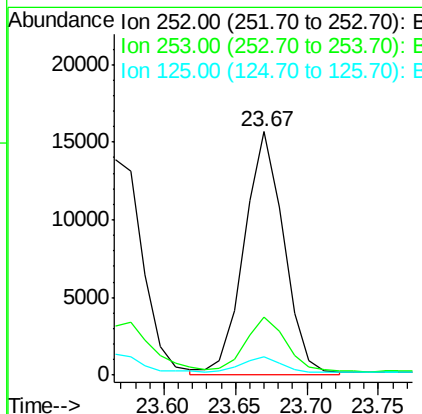
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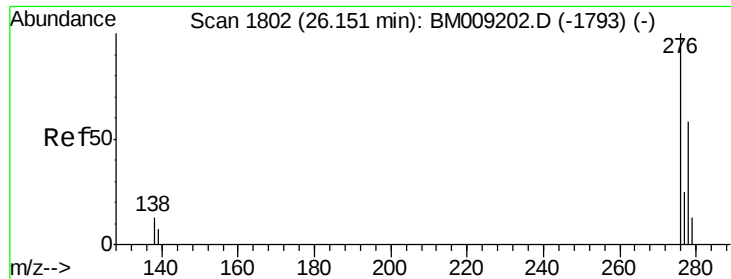
Delta R.T. 0.00 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	28.5	42.7#
125	7.5	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 5.08 ng/ul m

RT: 26.15 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BM009204.D

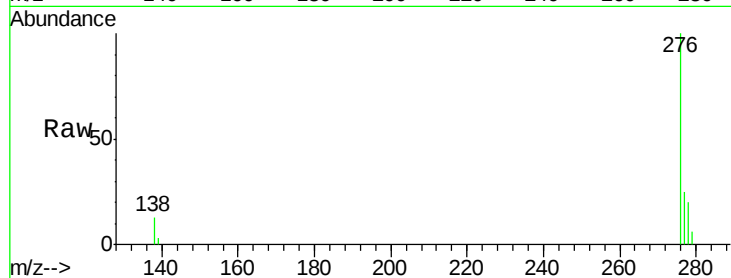
Acq: 11 Mar 2017 12:55

Instrument :

BNA_M

ClientSampleId :

C0AJ6



Tgt Ion: 276 Resp: 25667

Ion Ratio Lower Upper

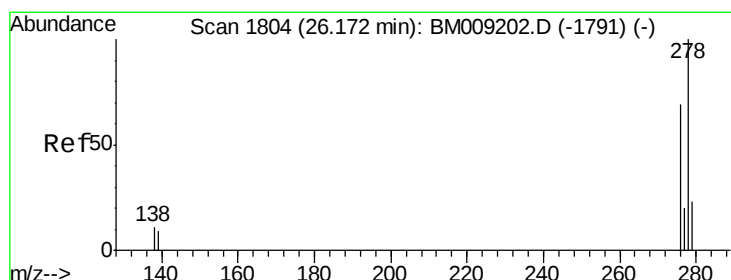
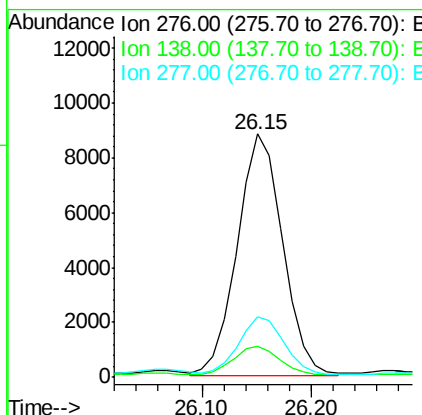
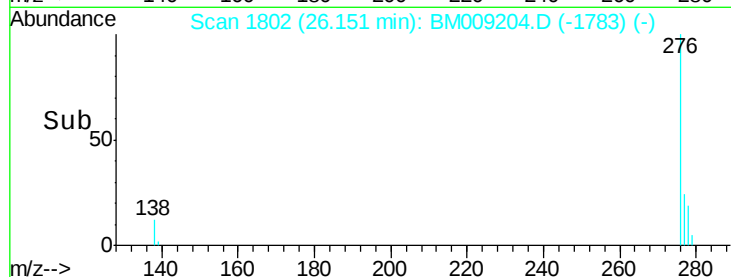
276 100

138 0.3 19.1 28.7#

277 0.0 19.6 29.4#

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM



#25

Dibenzo(a,h)anthracene

Concen: 1.58 ng/ul m

RT: 26.16 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BM009204.D

Acq: 11 Mar 2017 12:55

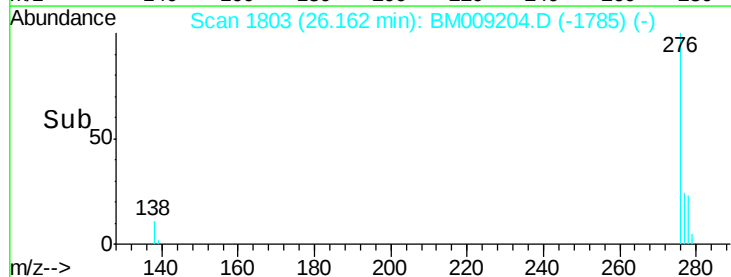
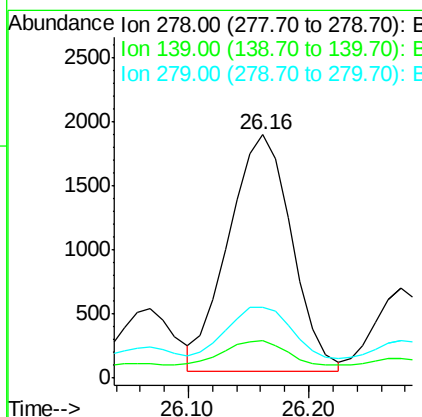
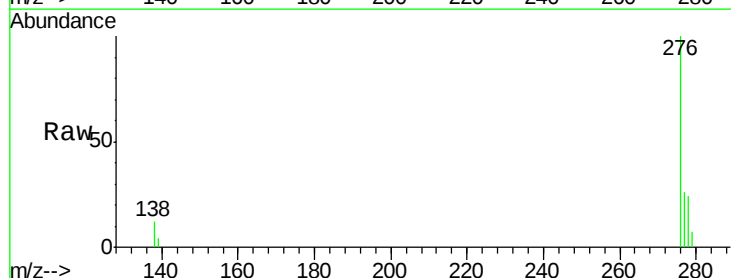
Tgt Ion: 278 Resp: 6705

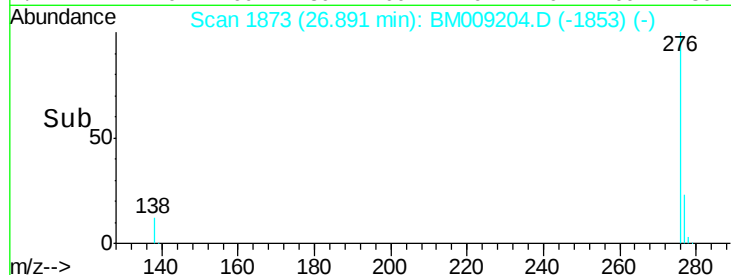
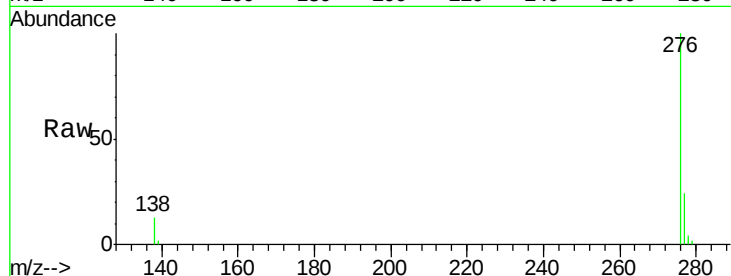
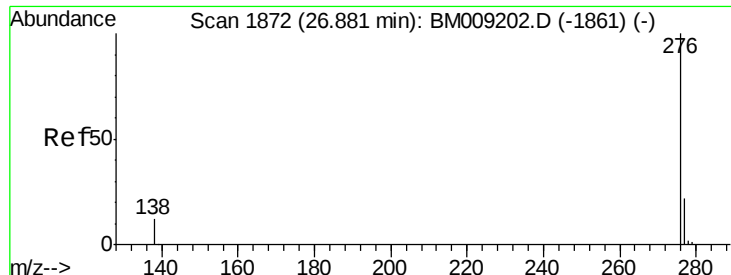
Ion Ratio Lower Upper

278 100

139 15.3 17.4 26.0#

279 29.2 25.9 38.9





#26
Benzo(g,h,i)perylene
Concen: 5.21 ng/ul m
RT: 26.89 min Scan# 1873
Delta R.T. 0.01 min
Lab File: BM009204.D
Acq: 11 Mar 2017 12:55

Tgt Ion:	276	Resp:	22466
Ion Ratio	Lower	Upper	
276	100		
277	24.3	21.8	32.8
138	12.6	20.5	30.7#

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:20 PM

