

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005638.D
 Acq On : 24 May 2016 10:10
 Operator : UM/SJ
 Sample : H3086-03DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JHGF4DL

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Quant Time: May 24 14:29:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	144045	20.00	ng/ul	0.01
18) Naphthalene-d8	10.61	136	629115	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.46	164	344726	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.20	188	724894	20.00	ng/ul	0.01
75) Chrysene-d12	21.39	240	634430	20.00	ng/ul	0.02
83) Perylene-d12	23.68	264	643798	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	2562	0.78	ng/uL	0.00
5) Phenol-d5	7.00	99	49841	4.22	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	30176	4.41	ng/ul	0.01
9) 2-Chlorophenol-d4	7.35	132	42928	4.36	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	39389	4.07	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	20813	4.33	ng/ul	0.01
22) 2-Nitrophenol-d4	9.69	143	19321	3.65	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	41715	4.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	35902	3.59	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	123792	4.40	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	163832	4.66	ng/ul	0.02
51) 4-Nitrophenol-d4	14.69	143	14670	2.76	ng/ul	0.04
57) Fluorene-d10	15.44	176	115847	4.73	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.30	188	172442	4.99	ng/ul	0.02
76) Pyrene-d10	19.59	212	167072	5.82	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	143985	4.79	ng/ul	0.04

Target Compounds

						Qvalue
47) Acenaphthylene	14.18	152	356218	9.97	ng/ul	99
69) Phenanthrene	17.24	178	113770	2.81	ng/ul	98
71) Anthracene	17.33	178	207185	5.02	ng/ul	99
74) Fluoranthene	19.26	202	610211	13.38	ng/ul	97
77) Pyrene	19.62	202	754775	20.70	ng/ul	99
80) Benzo(a)anthracene	21.37	228	423495	11.36	ng/ul#	90
82) Chrysene	21.42	228	446694m	12.59	ng/ul	
85) Benzo(b)fluoranthene	22.99	252	658529	17.34	ng/ul#	92
86) Benzo(k)fluoranthene	23.03	252	274089m	7.63	ng/ul	
88) Benzo(a)pyrene	23.58	252	567860	15.42	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	26.01	276	400280	9.15	ng/ul	99
90) Dibenzo(a,h)anthracene	26.01	278	100700	2.76	ng/ul#	71
91) Benzo(g,h,i)perylene	26.73	276	298379	8.11	ng/ul	94

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

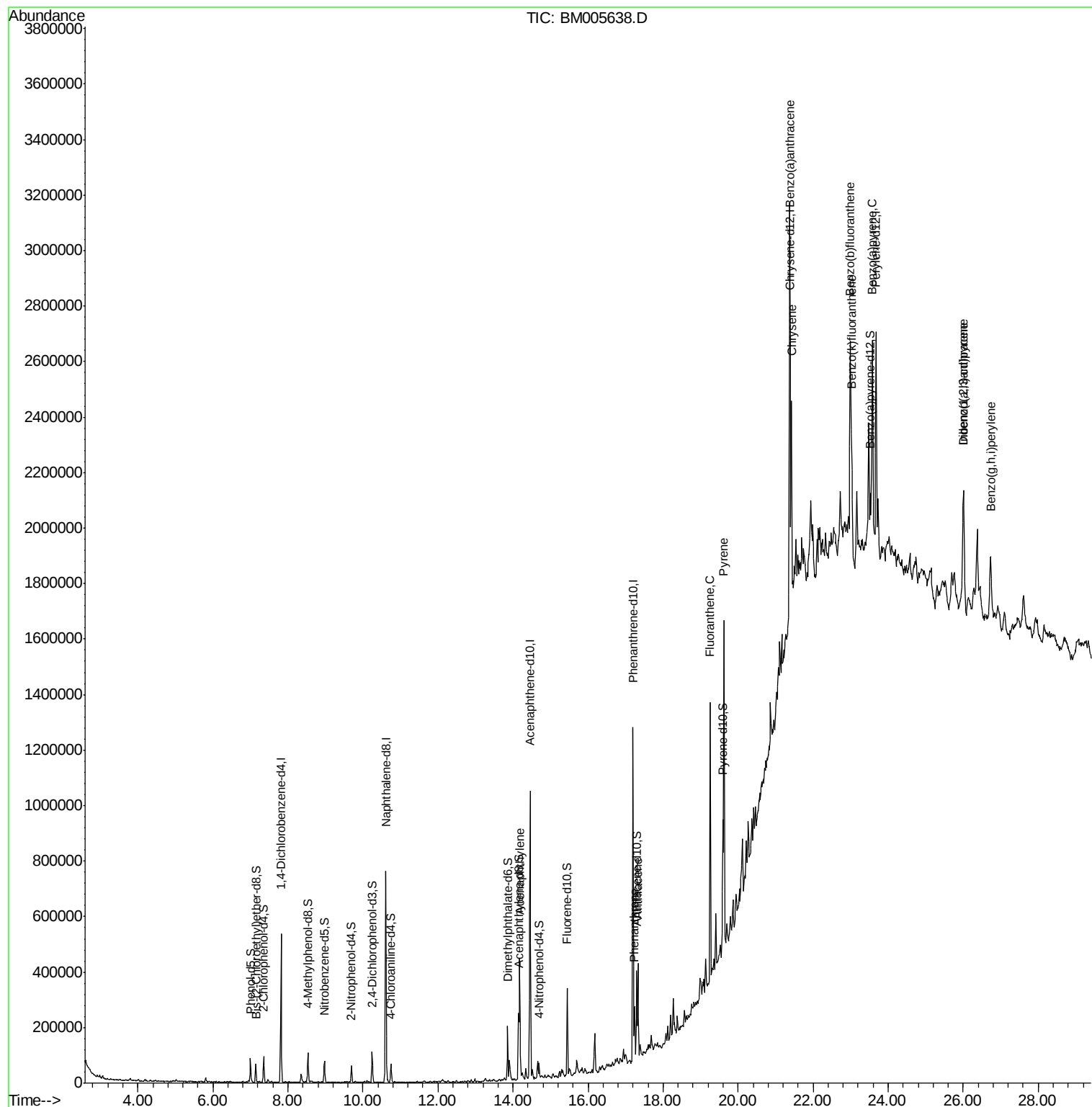
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005638.D
Acq On : 24 May 2016 10:10
Operator : UM/SJ
Sample : H3086-03DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

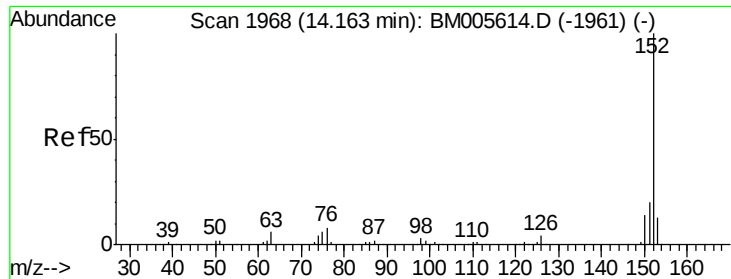
Instrument :
BNA_M
ClientSampled :
JHGF4DL

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Quant Time: May 24 14:29:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 9.97 ng/ul

RT: 14.18 min Scan# 1971

Delta R.T. 0.02 min

Lab File: BM005638.D

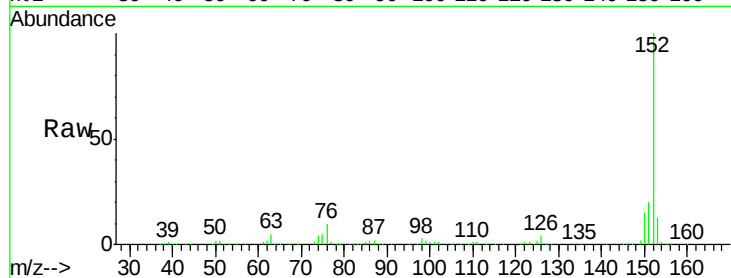
Acq: 24 May 2016 10:10

Instrument :

BNA_M

ClientSampleId :

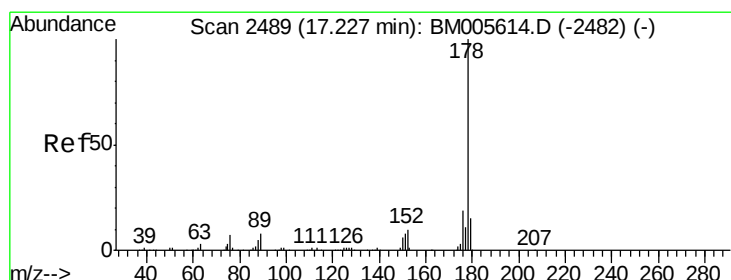
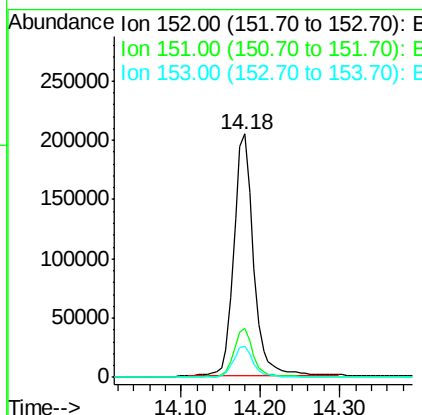
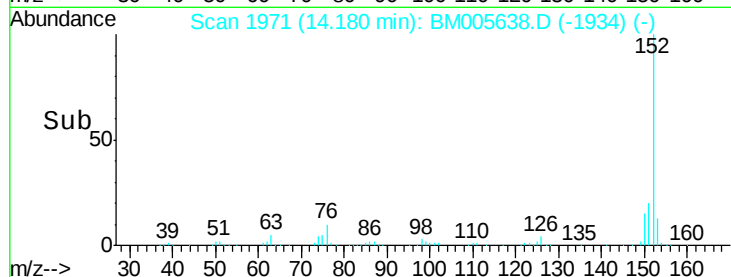
JHGF4DL



Tgt Ion:	152	Resp:	356218
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.7	23.5
153	13.1	10.5	15.7

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#69

Phenanthrene

Concen: 2.81 ng/ul

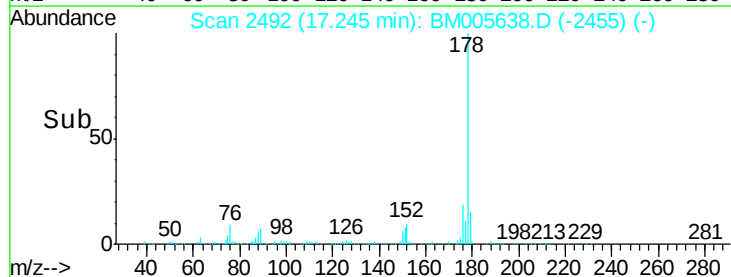
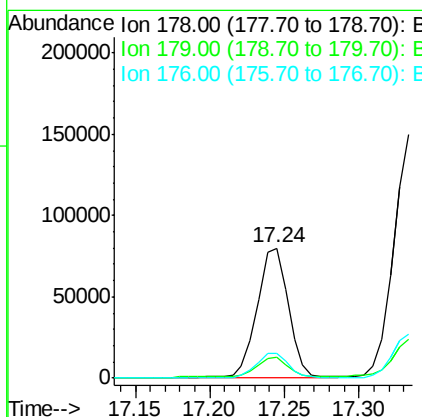
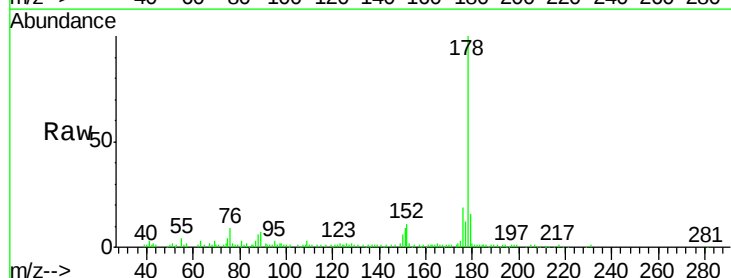
RT: 17.24 min Scan# 2492

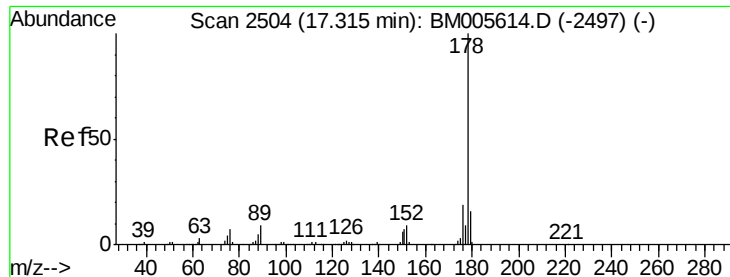
Delta R.T. 0.02 min

Lab File: BM005638.D

Acq: 24 May 2016 10:10

Tgt Ion:	178	Resp:	113770
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.2	18.2
176	19.2	15.8	23.6





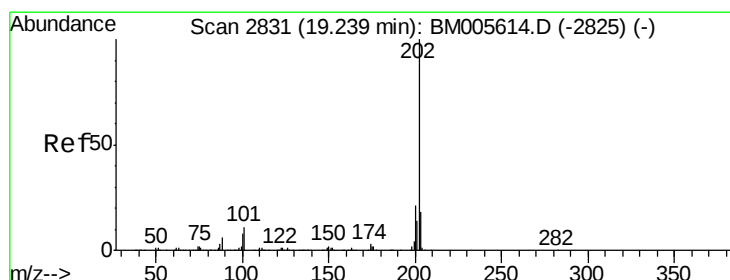
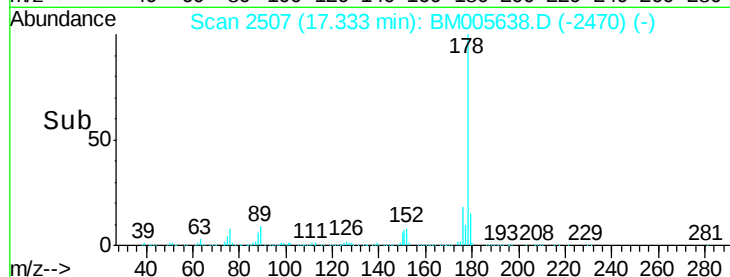
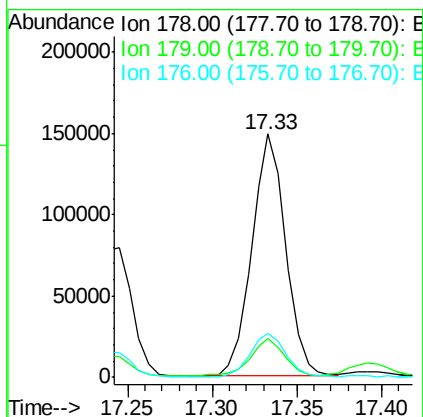
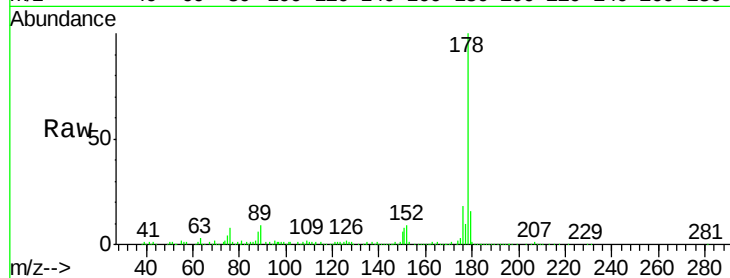
#71
 Anthracene
 Concen: 5.02 ng/ul
 RT: 17.33 min Scan# 2507
 Delta R.T. 0.02 min
 Lab File: BM005638.D
 Acq: 24 May 2016 10:10

Instrument :
 BNA_M
 ClientSampleId :
 JHGF4DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	207185		
179	16.0	12.6	18.8	
176	18.1	15.0	22.4	

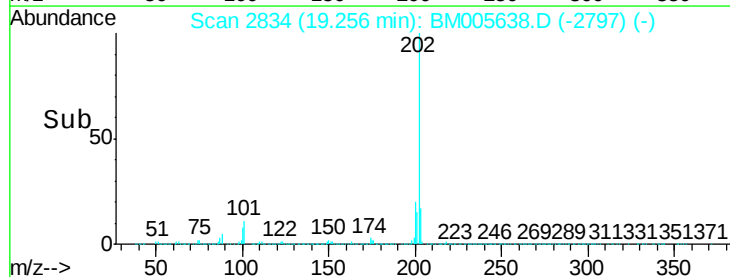
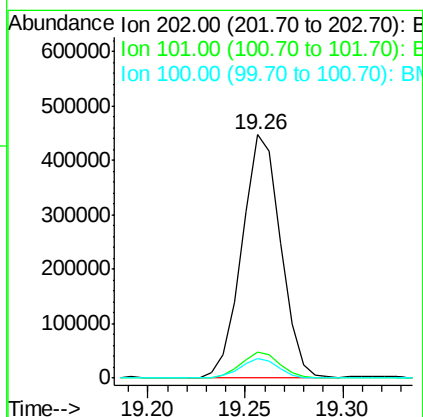
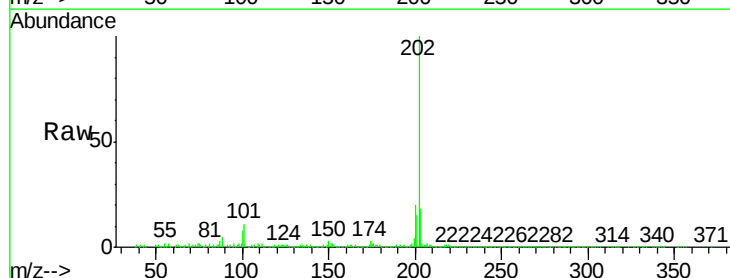
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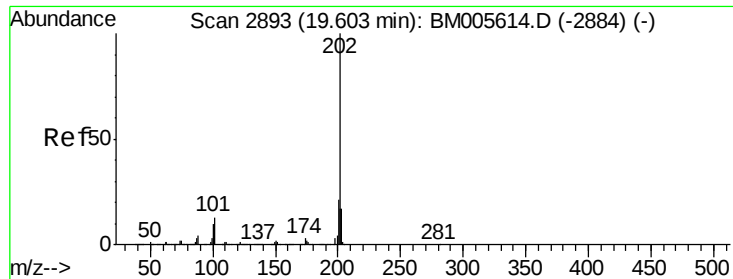
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#74
 Fluoranthene
 Concen: 13.38 ng/ul
 RT: 19.26 min Scan# 2834
 Delta R.T. 0.02 min
 Lab File: BM005638.D
 Acq: 24 May 2016 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	610211		
101	10.9	7.9	11.9	
100	8.2	5.6	8.4	





#77

Pyrene

Concen: 20.70 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. 0.02 min

Lab File: BM005638.D

Acq: 24 May 2016 10:10

Instrument :

BNA_M

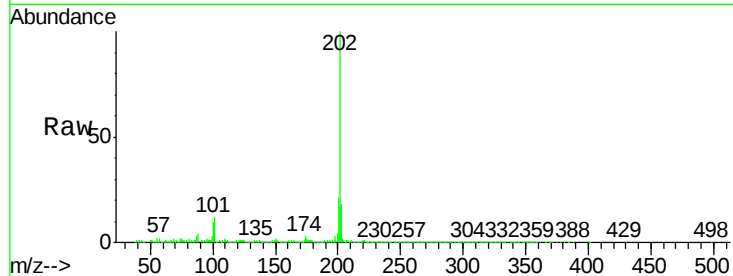
ClientSampleId :

JHGF4DL

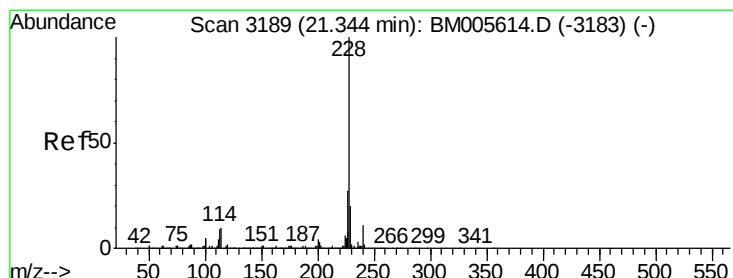
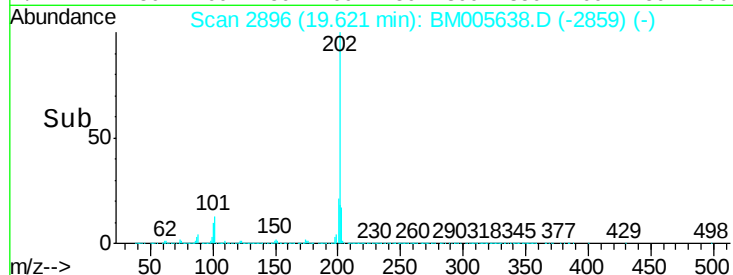
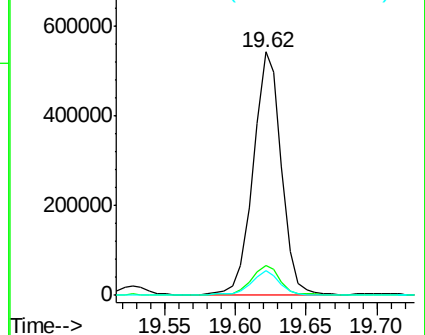
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	9.6	14.4
100	10.0	7.8	11.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 11.36 ng/ul

RT: 21.37 min Scan# 3193

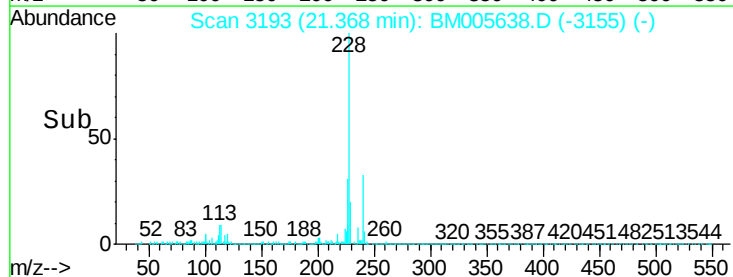
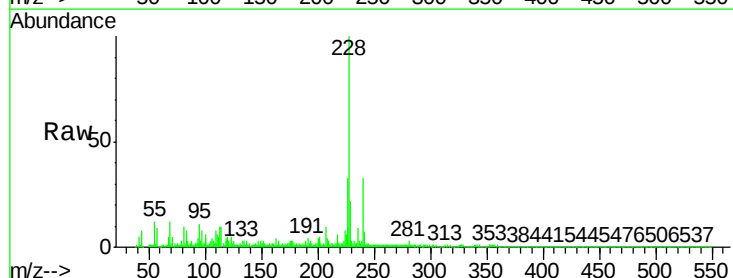
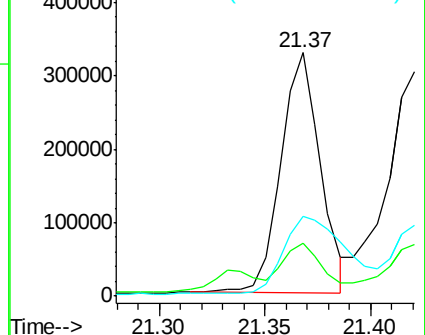
Delta R.T. 0.02 min

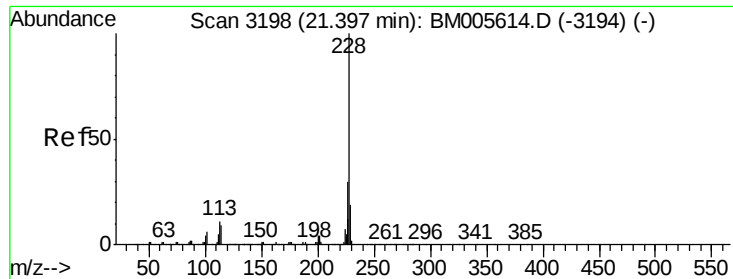
Lab File: BM005638.D

Acq: 24 May 2016 10:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.9	15.4	23.2
226	32.6	21.0	31.4#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 12.59 ng/ul m

RT: 21.42 min Scan# 3202

Delta R.T. 0.02 min

Lab File: BM005638.D

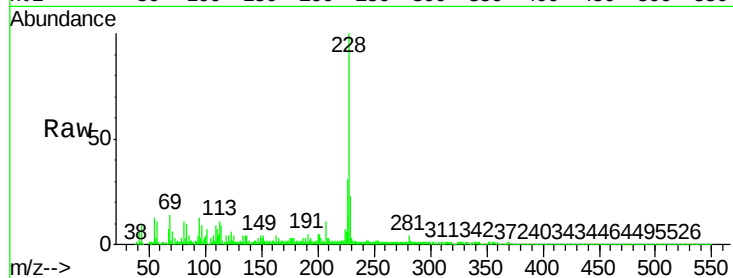
Acq: 24 May 2016 10:10

Instrument :

BNA_M

ClientSampleId :

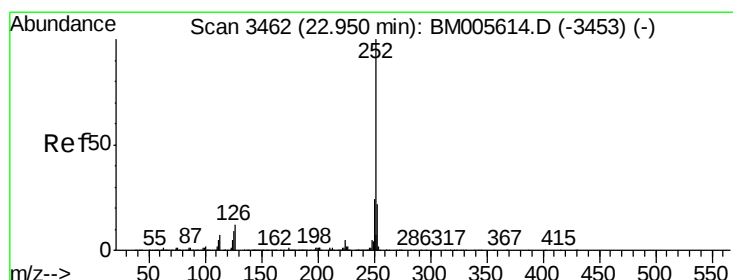
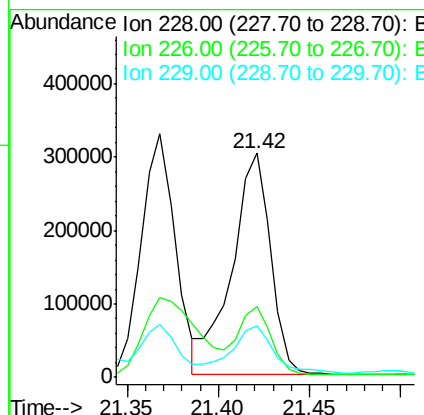
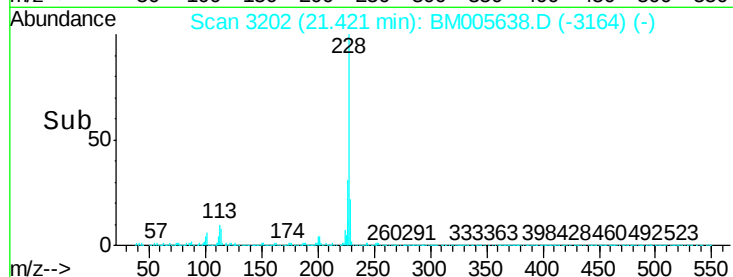
JHGF4DL



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	446694		
226	31.4	23.7	35.5	
229	23.3	15.5	23.3#	

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#85

Benzo(b)fluoranthene

Concen: 17.34 ng/ul

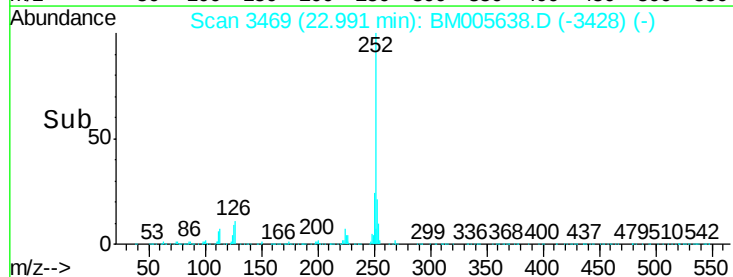
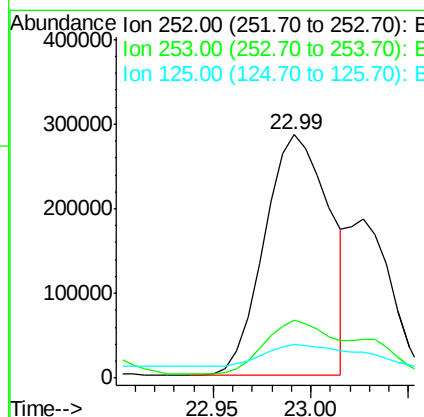
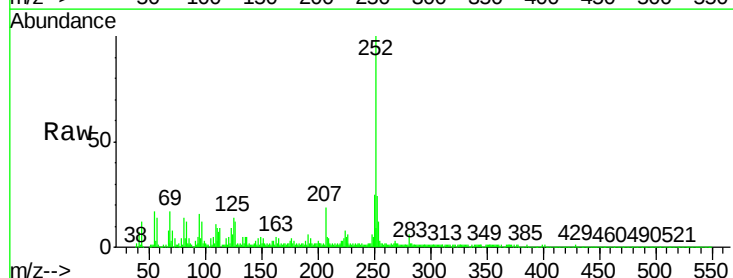
RT: 22.99 min Scan# 3469

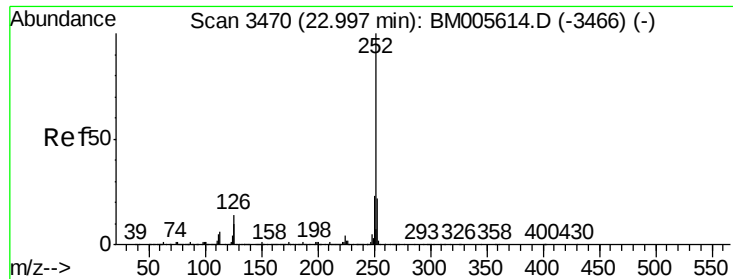
Delta R.T. 0.04 min

Lab File: BM005638.D

Acq: 24 May 2016 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	658529		
253	23.9	17.3	25.9	
125	14.1	7.0	10.4#	





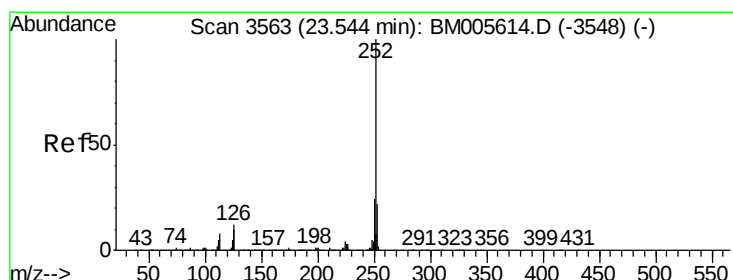
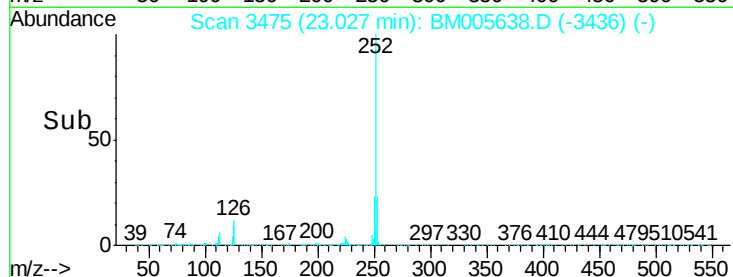
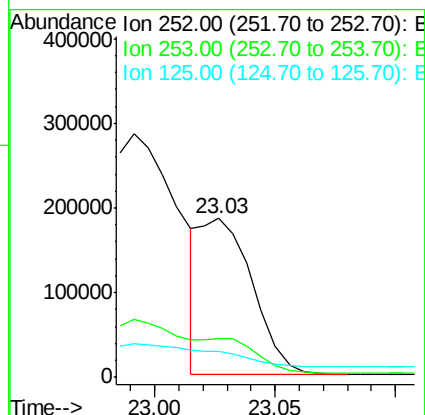
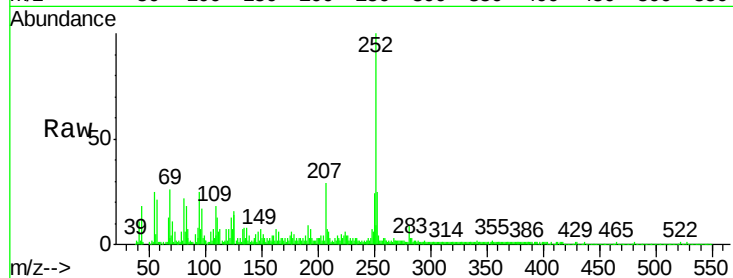
#86
Benzo(k)fluoranthene
Concen: 7.63 ng/ul m
RT: 23.03 min Scan# 3475
Delta R.T. 0.03 min
Lab File: BM005638.D
Acq: 24 May 2016 10:10

Instrument :
BNA_M
ClientSampleId :
JHGF4DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	274089		
253	24.7	17.5	26.3	
125	16.0	7.0	10.6	

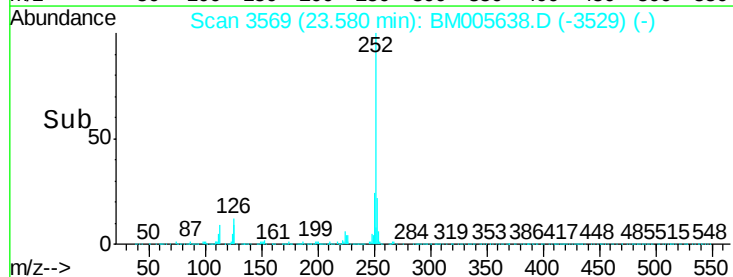
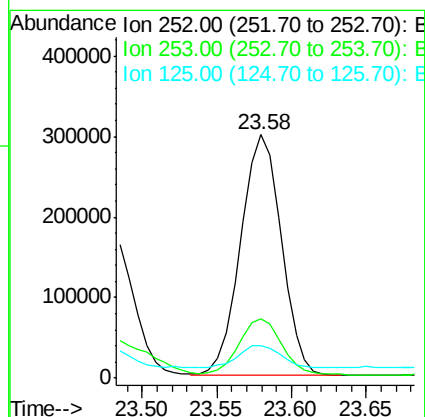
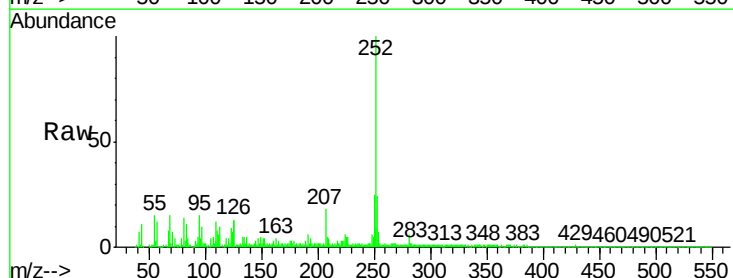
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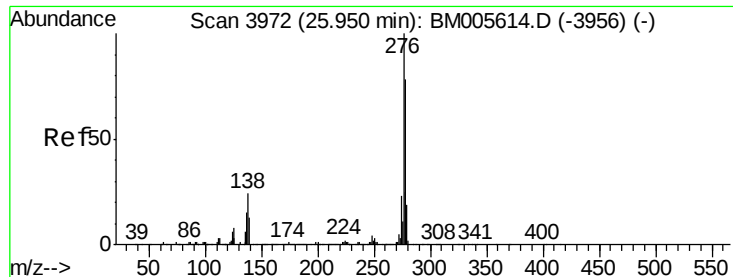
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#88
Benzo(a)pyrene
Concen: 15.42 ng/ul
RT: 23.58 min Scan# 3569
Delta R.T. 0.04 min
Lab File: BM005638.D
Acq: 24 May 2016 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	567860		
253	24.5	17.6	26.4	
125	13.4	7.6	11.4	





#89

Indeno(1,2,3-cd)pyrene

Concen: 9.15 ng/ul

RT: 26.01 min Scan# 3982

Delta R.T. 0.06 min

Lab File: BM005638.D

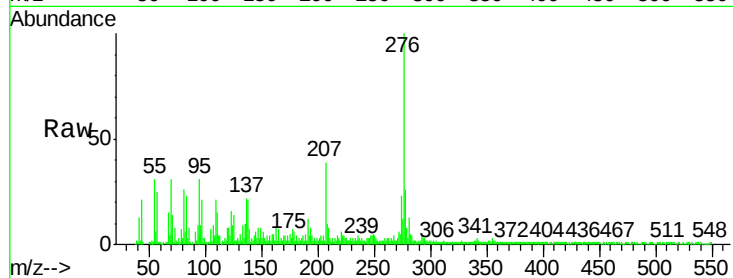
Acq: 24 May 2016 10:10

Instrument :

BNA_M

ClientSampleId :

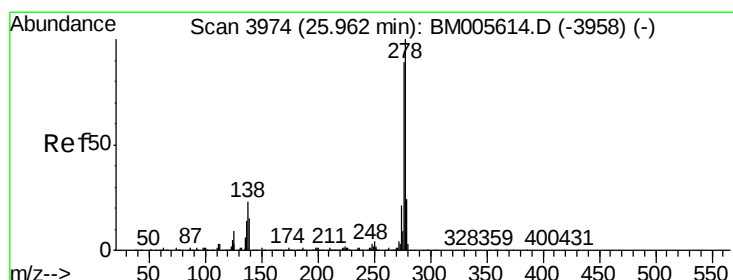
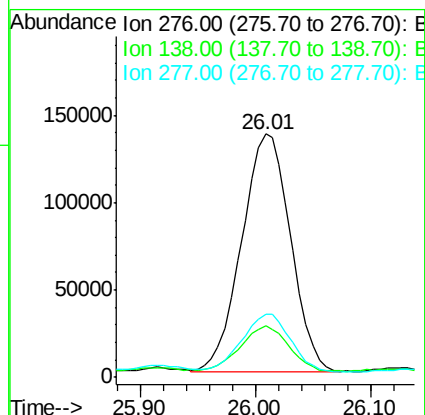
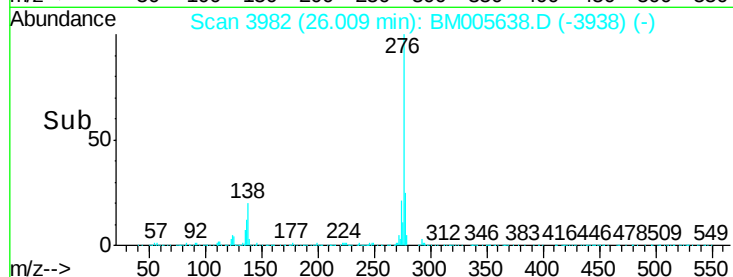
JHGF4DL



Tgt Ion:	276	Resp:	400280
Ion Ratio		Lower	Upper
276	100		
138	21.4	16.9	25.3
277	26.1	20.2	30.4

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#90

Dibenzo(a,h)anthracene

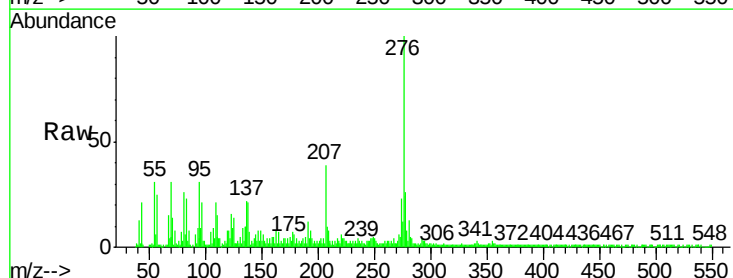
Concen: 2.76 ng/ul

RT: 26.01 min Scan# 3982

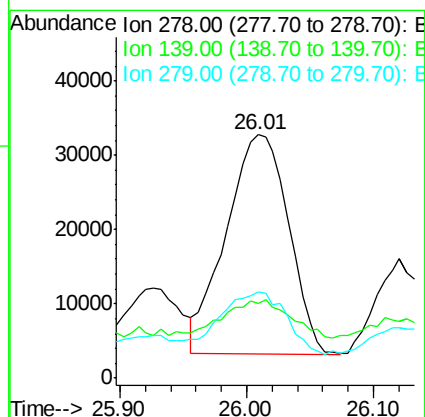
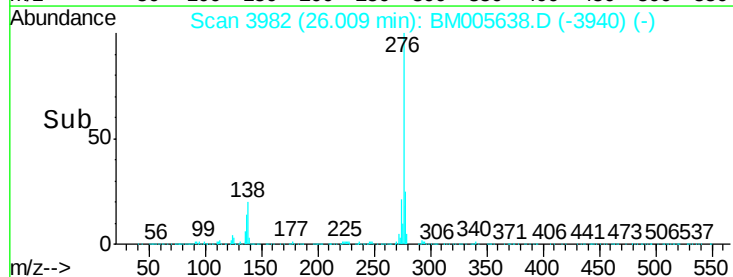
Delta R.T. 0.05 min

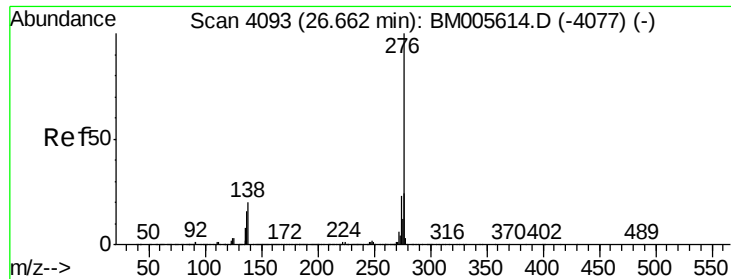
Lab File: BM005638.D

Acq: 24 May 2016 10:10



Tgt Ion:	278	Resp:	100700
Ion Ratio		Lower	Upper
278	100		
139	30.8	11.8	17.6#
279	35.3	19.4	29.2#





#91
 Benzo(g,h,i)perylene
 Concen: 8.11 ng/ul
 RT: 26.73 min Scan# 4105
 Delta R.T. 0.07 min
 Lab File: BM005638.D
 Acq: 24 May 2016 10:10

Instrument :
 BNA_M
 ClientSampleId :
 JHGF4DL

Tgt Ion:	276	Resp:	298379
Ion Ratio	Lower	Upper	
276	100		
138	21.5	15.0	22.6
277	26.1	18.6	28.0

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