

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
 Data File : BM010663.D
 Acq On : 22 Jun 2017 17:09
 Operator : SJ/JU
 Sample : I3522-15DL 30X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D31DL

Manual Integrations
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mohammad
 6/26/2017 8:23:58 AM

Quant Time: Jun 23 11:13:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 23 01:03:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	50662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	230753	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	159466	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	403530	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	499370	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	467304	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	2695	0.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	1988	0.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	1907	0.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2138	0.53	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	917	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	636	0.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.86	165	2287	0.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	3133	0.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	10776	0.77	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	11713	0.72	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.12	176	10084	0.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.97	188	15849m	0.81	ng/ul	0.00
76) Pyrene-d10	19.27	212	19850	0.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	18247	0.81	ng/ul	0.00

Target Compounds

					Qvalue	
58) Fluorene	15.17	166	25374	1.913	ng/ul	98
69) Phenanthrene	16.91	178	112996	5.267	ng/ul	98
71) Anthracene	17.00	178	777908	35.196	ng/ul	99
72) Carbazole	17.27	167	257620	13.360	ng/ul	98
74) Fluoranthene	18.94	202	252044	9.116	ng/ul	99
77) Pyrene	19.30	202	229251	7.948	ng/ul#	97
80) Benzo(a)anthracene	21.06	228	131616	4.526	ng/ul	97
82) Chrysene	21.12	228	159265	6.143	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	258305	8.515	ng/ul	100
86) Benzo(k)fluoranthene	22.62	252	82174m	2.857	ng/ul	
88) Benzo(a)pyrene	23.13	252	114738	4.109	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.33	276	75985	2.623	ng/ul	98
91) Benzo(g,h,i)perylene	25.97	276	53213	2.308	ng/ul#	91

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

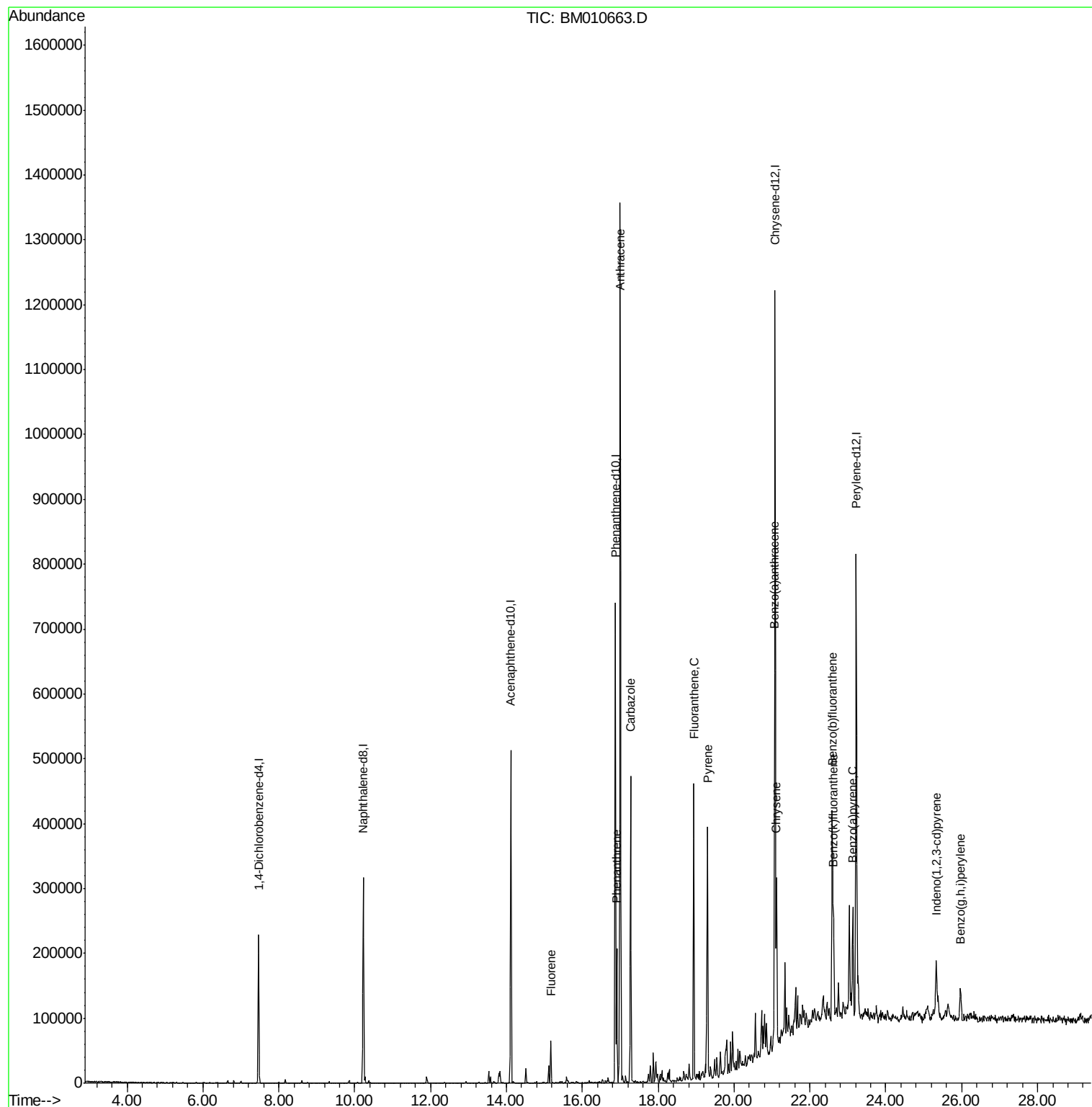
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010663.D
Acq On : 22 Jun 2017 17:09
Operator : SJ/JU
Sample : I3522-15DL 30X
Misc :
ALS Vial : 15 Sample Multiplier: 1

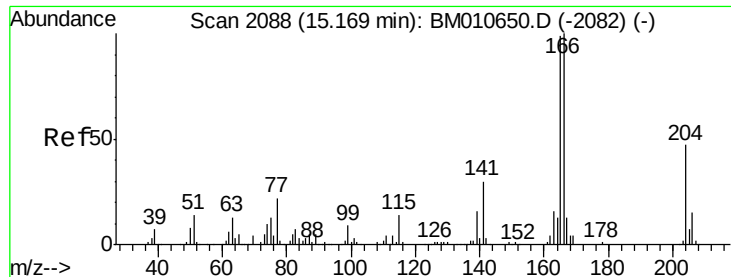
Instrument :
BNA_M
ClientSampleId :
F5D31DL

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Quant Time: Jun 23 11:13:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 01:03:57 2017
Response via : Initial Calibration





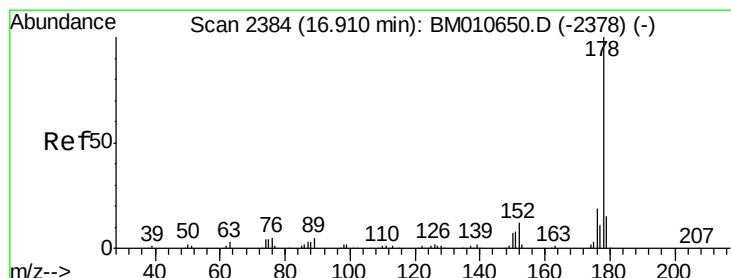
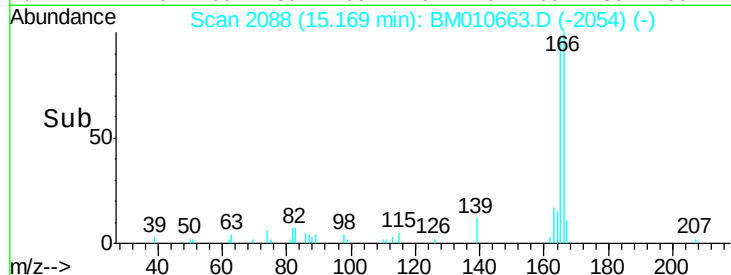
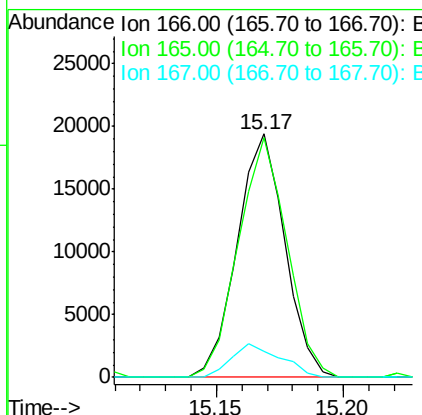
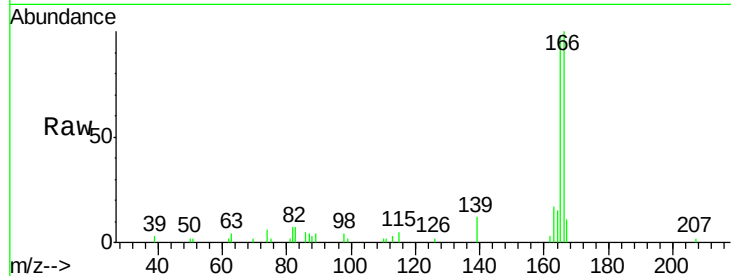
#58
 Fluorene
 Concen: 1.913 ng/ul
 RT: 15.17 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Instrument :
 BNA_M
 ClientSampleID :
 F5D31DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.9	116.9
167	10.9	10.6	16.0

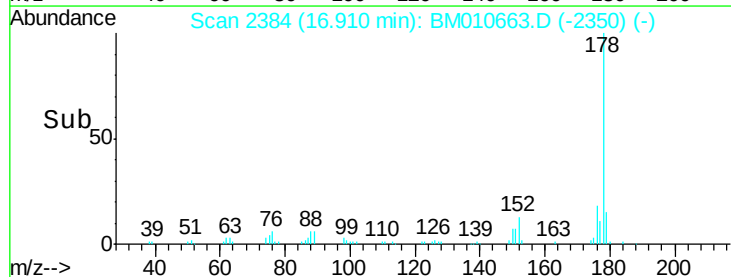
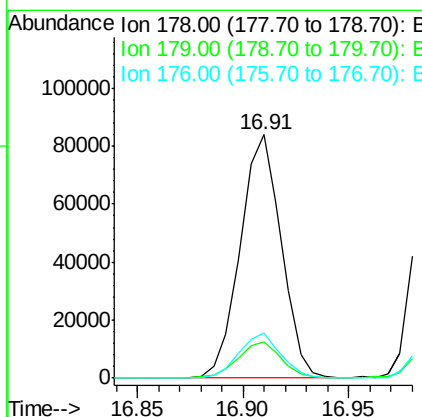
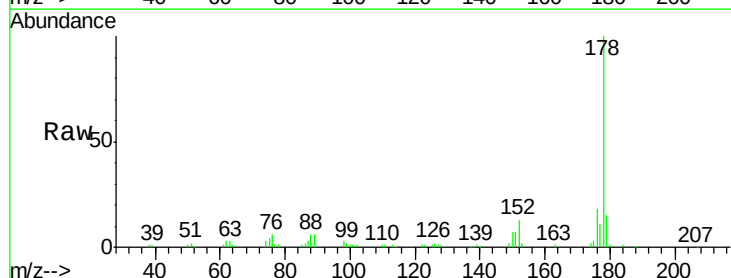
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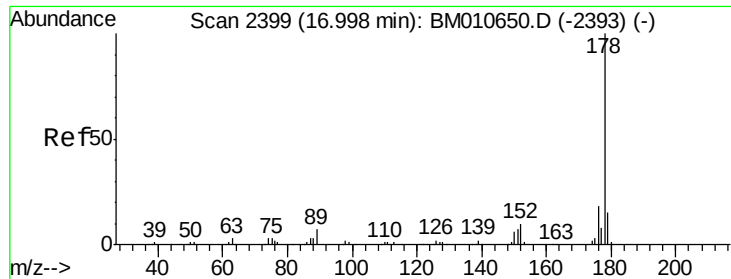
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#69
 Phenanthrene
 Concen: 5.267 ng/ul
 RT: 16.91 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.6	19.0
176	18.4	14.9	22.3





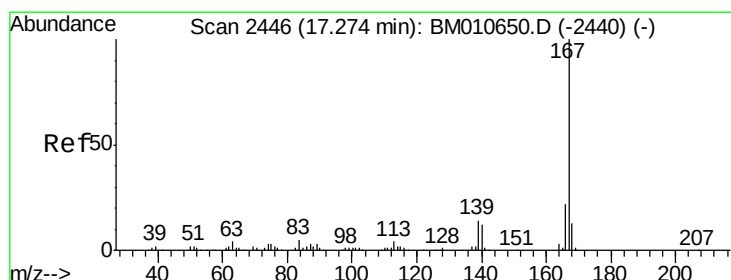
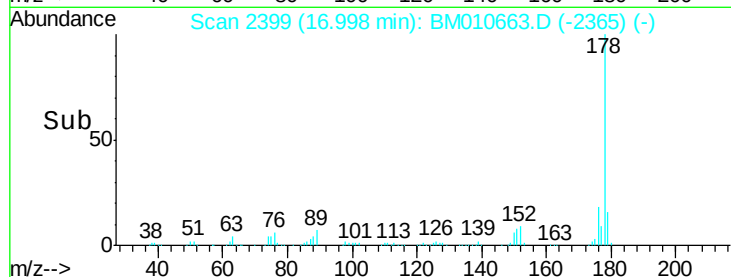
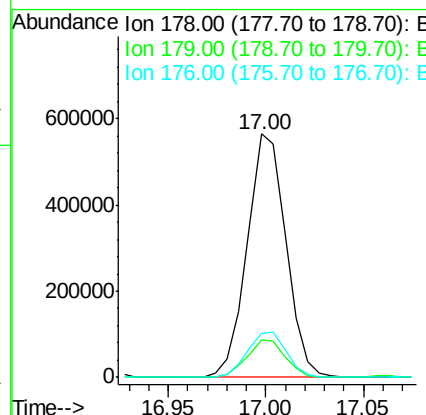
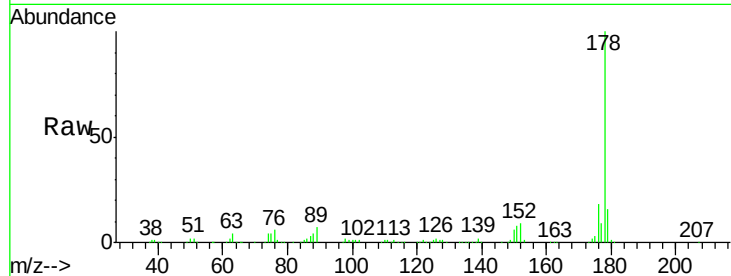
#71
 Anthracene
 Concen: 35.196 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Instrument :
 BNA_M
 ClientSampleId :
 F5D31DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	18.2	14.6	21.8

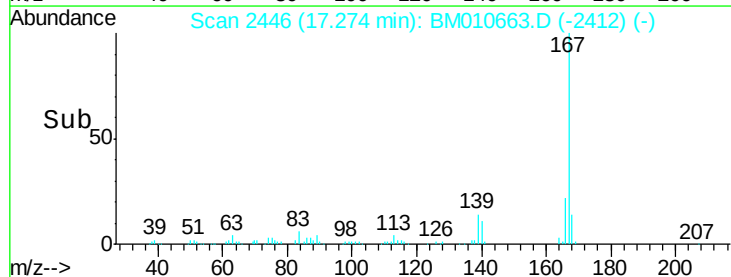
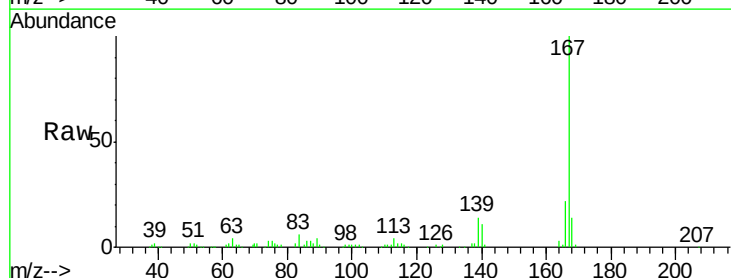
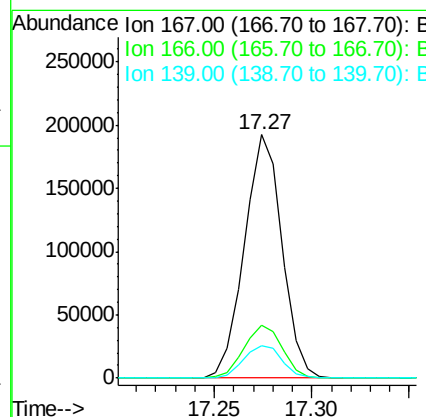
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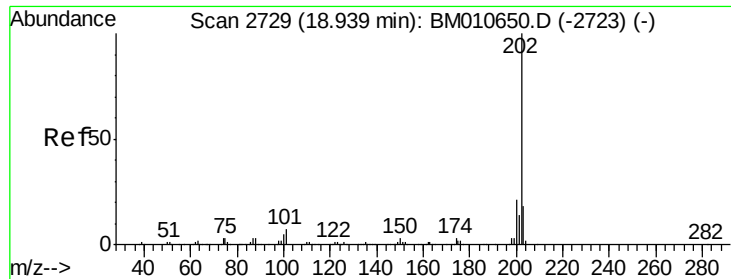
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#72
 Carbazole
 Concen: 13.360 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.5	10.0	15.0





#74

Fluoranthene

Concen: 9.116 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Instrument :

BNA_M

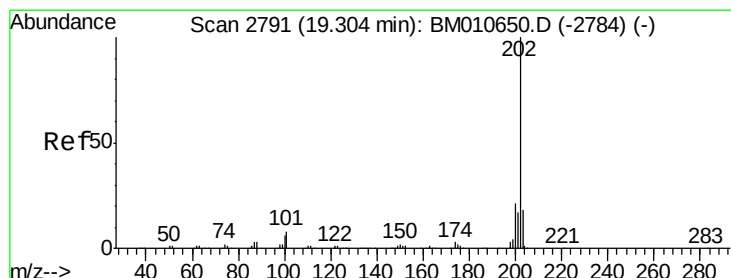
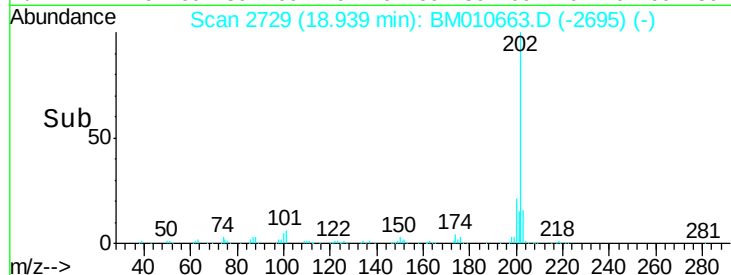
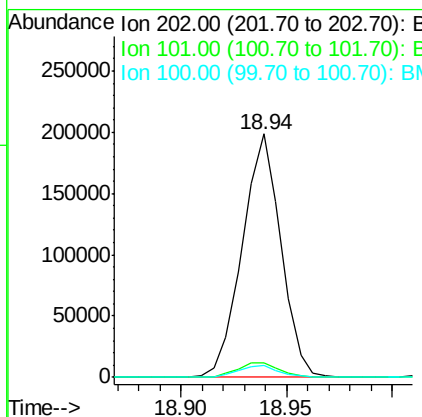
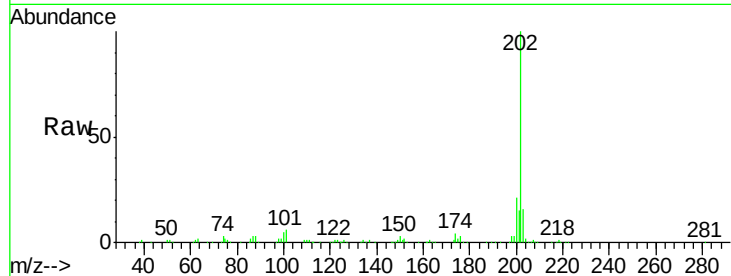
ClientSampleId :

F5D31DL

Tgt Ion:	202	Resp:	252044
Ion Ratio	Lower	Upper	
202	100		
101	6.0	4.6	7.0
100	5.0	3.4	5.2

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#77

Pyrene

Concen: 7.948 ng/ul

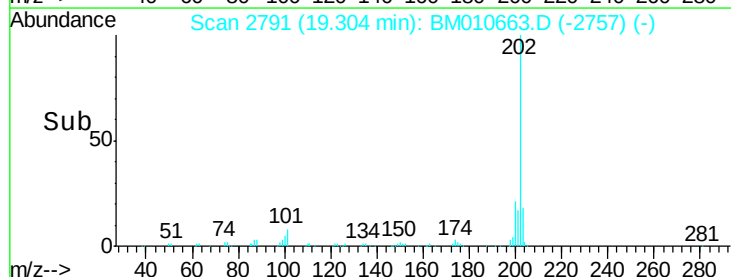
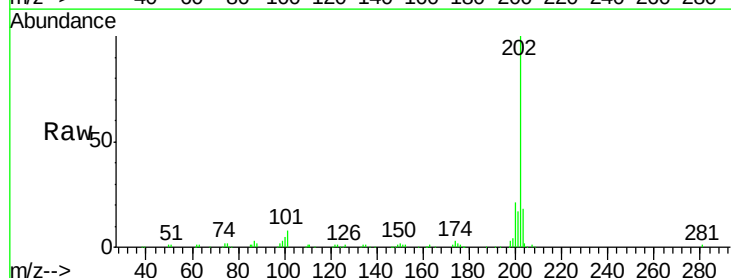
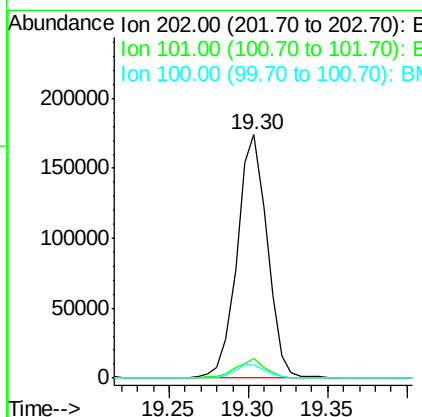
RT: 19.30 min Scan# 2791

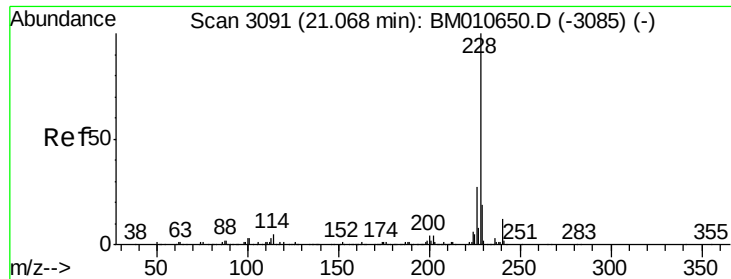
Delta R.T. -0.00 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Tgt Ion:	202	Resp:	229251
Ion Ratio	Lower	Upper	
202	100		
101	8.0	5.1	7.7#
100	5.4	4.9	7.3





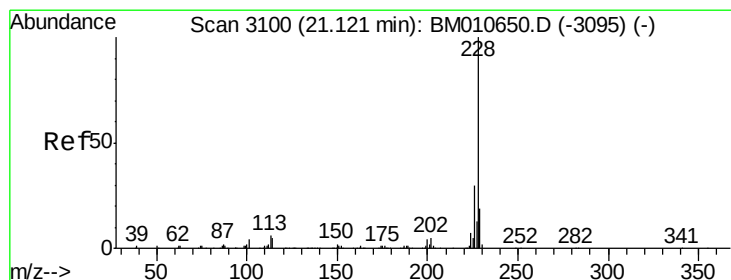
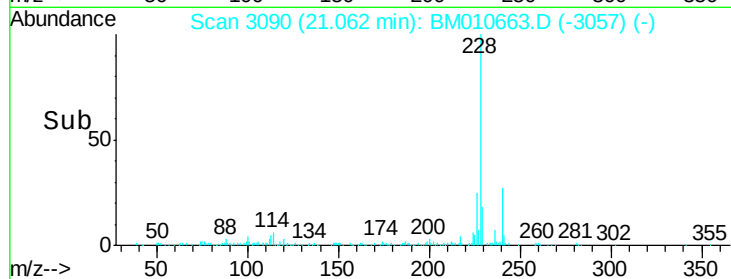
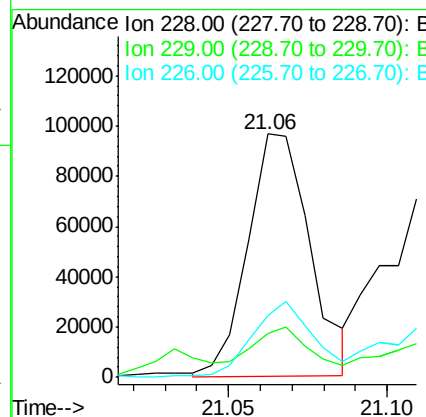
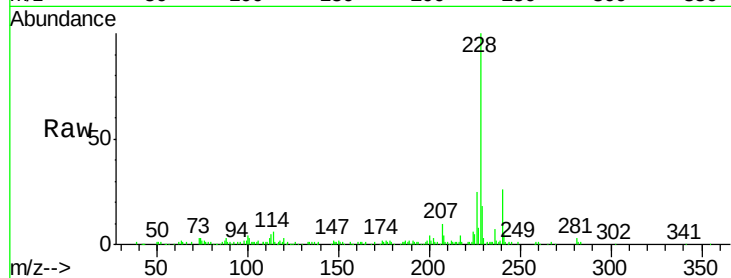
#80
Benzo(a)anthracene
Concen: 4.526 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

Instrument :
BNA_M
ClientSampleId :
F5D31DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	131616		
229	18.2	15.4	23.0	
226	25.2	21.4	32.0	

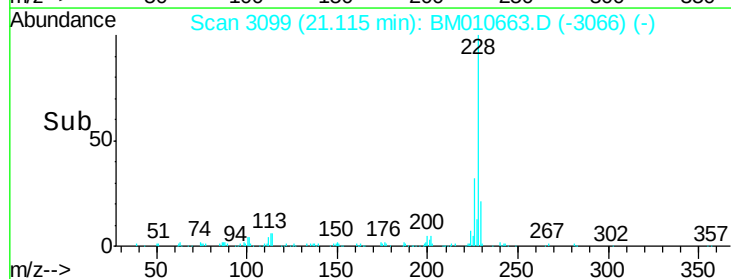
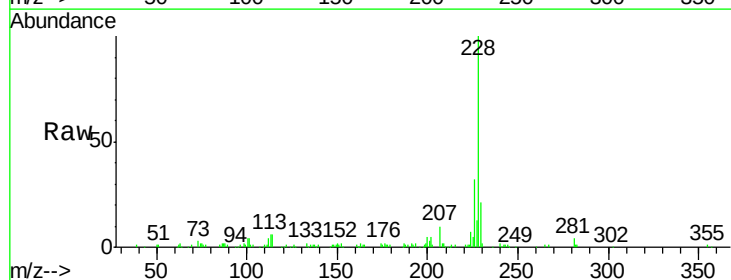
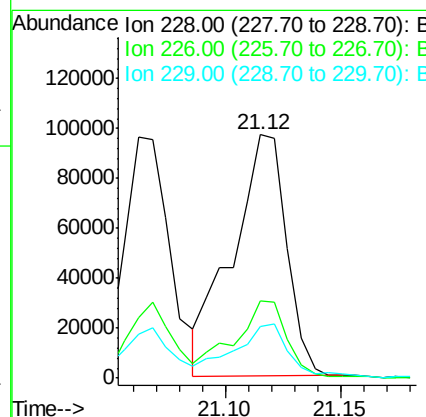
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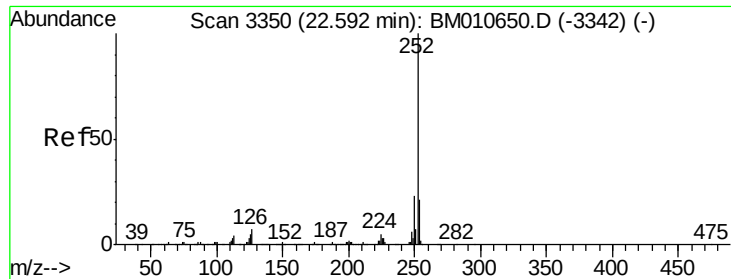
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#82
Chrysene
Concen: 6.143 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	159265		
226	32.0	23.4	35.2	
229	21.2	15.5	23.3	





#85

Benzo(b)fluoranthene

Concen: 8.515 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Instrument :

BNA_M

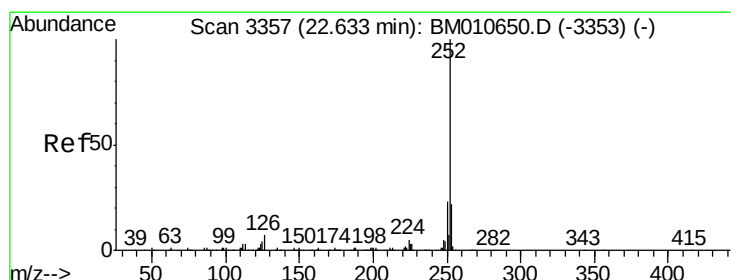
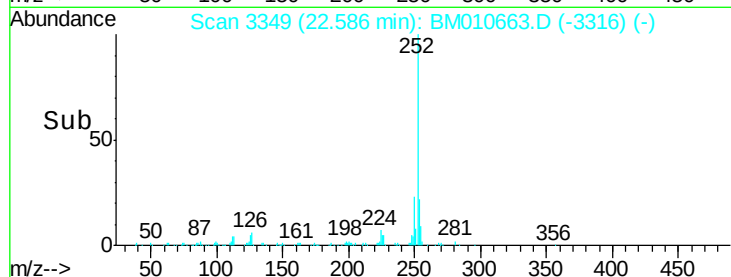
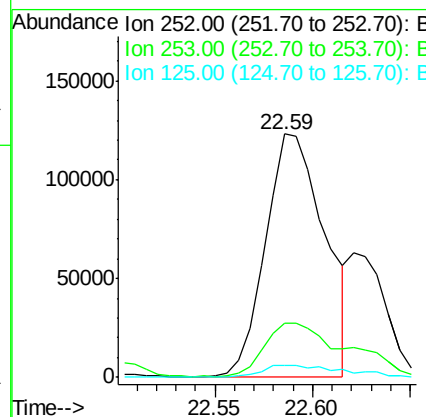
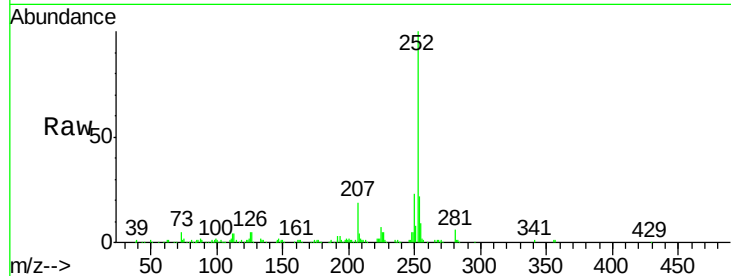
ClientSampleId :

F5D31DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	258305		
253	22.4	17.9	26.9	
125	4.8	3.6	5.4	

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#86

Benzo(k)fluoranthene

Concen: 2.857 ng/ul m

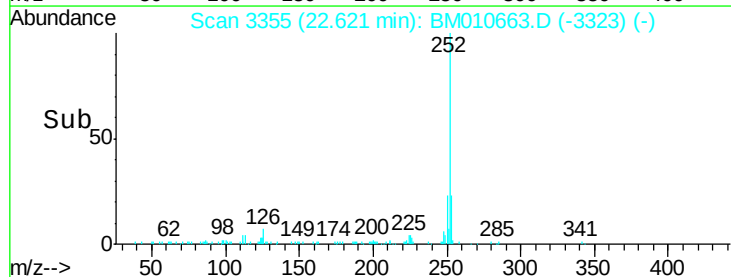
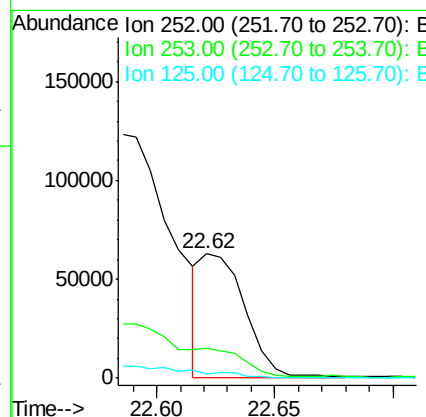
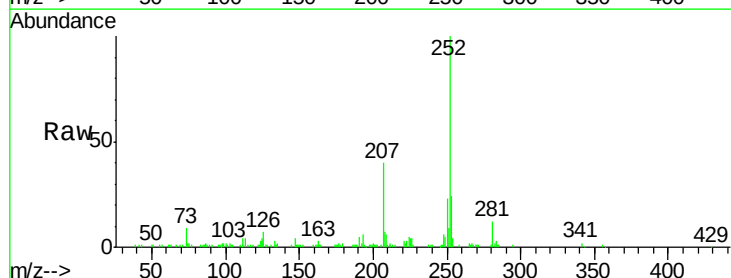
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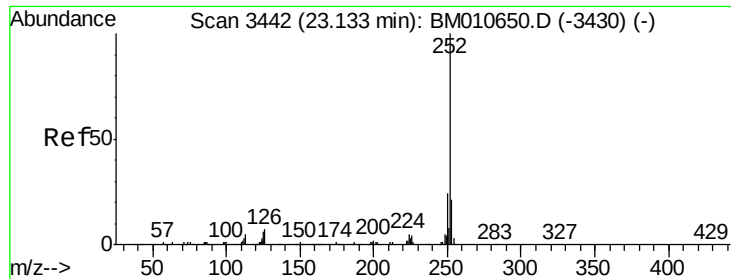
Delta R.T. -0.01 min

Lab File: BM010663.D

Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	82174		
253	24.0	17.1	25.7	
125	3.6	3.4	5.2	





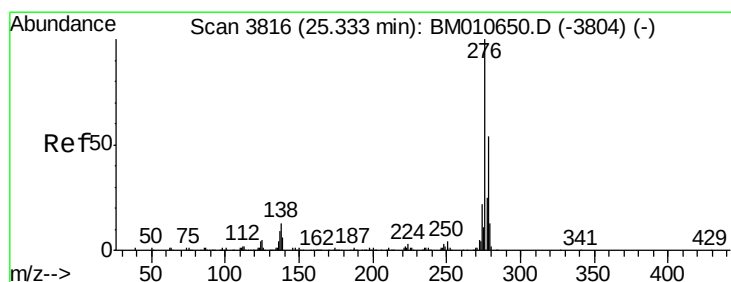
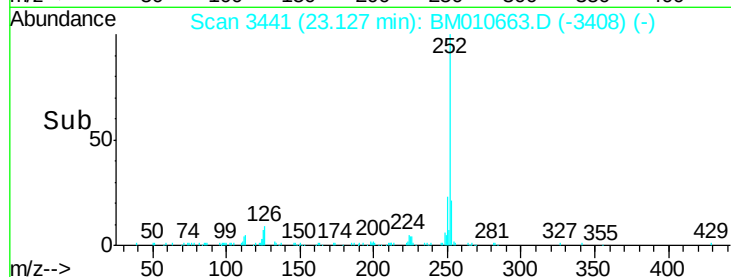
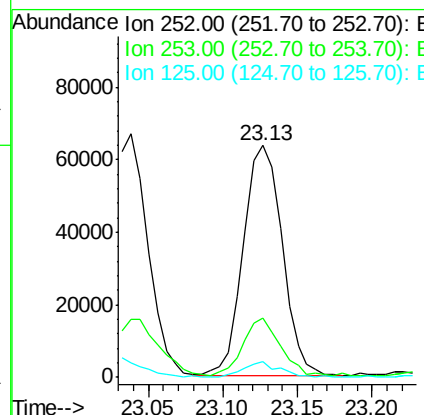
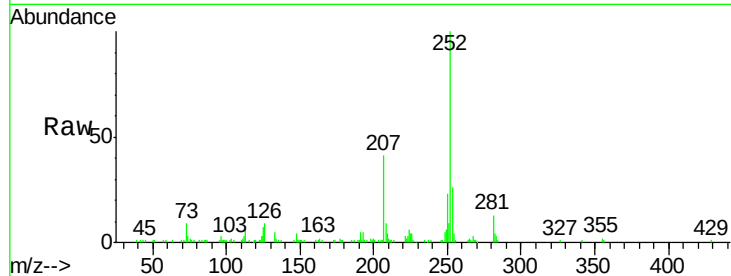
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Benzo(a)pyrene
Concen: 4.109 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

Instrument :
BNA_M
ClientSampleId :
F5D31DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	114738		
253	25.5	18.2	27.2	
125	6.7	4.0	6.0#	

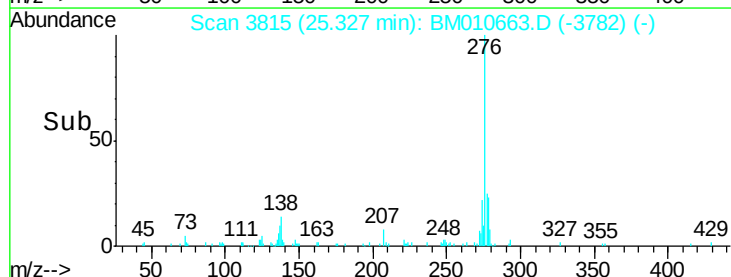
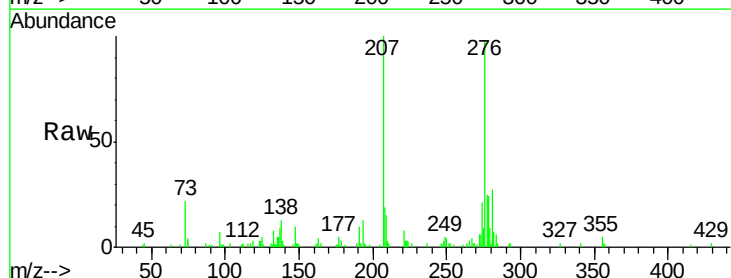
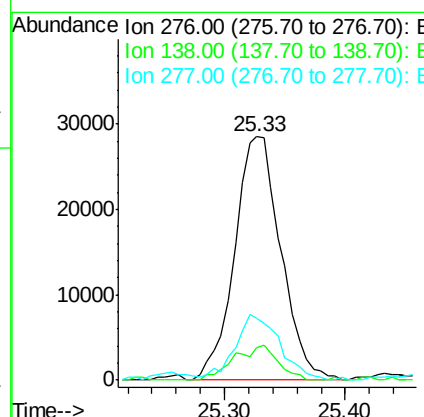
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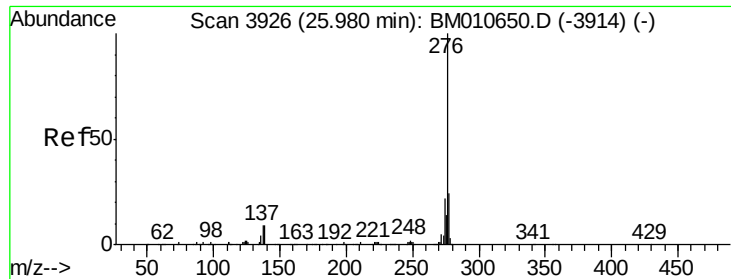
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.623 ng/ul
RT: 25.33 min Scan# 3815
Delta R.T. -0.01 min
Lab File: BM010663.D
Acq: 22 Jun 2017 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	75985		
138	13.5	9.3	13.9	
277	25.3	19.9	29.9	





#91
 Benzo(g,h,i)perylene
 Concen: 2.308 ng/ul
 RT: 25.97 min Scan# 3924
 Delta R.T. -0.01 min
 Lab File: BM010663.D
 Acq: 22 Jun 2017 17:09

Instrument :
 BNA_M
 ClientSampleId :
 F5D31DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	8.5	12.7#
277	20.7	18.6	28.0

Manual Integrations
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