

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006823.D
 Acq On : 01 Aug 2016 12:52
 Operator : UM/SJ
 Sample : H4188-02 5X
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 D9ZL0

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Quant Time: Aug 01 13:48:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	419483	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	1777272	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	964997	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	2087266	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	1853254	20.00	ng/ul	0.01
34) Perylene-d12	23.44	264	2257042	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	2951	0.28	ng/uL	0.00
3) Phenol-d5	6.80	99	120137	3.37	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.95	67	83160	3.76	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	101742	3.57	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	66307	2.40	ng/ul	0.01
8) Nitrobenzene-d5	8.76	128	51882	3.86	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	53061	3.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	96759	3.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	102992	3.46	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	304742	4.03	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	399029	4.13	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	27325	2.08	ng/ul	0.03
21) Fluorene-d10	15.26	176	282597	4.18	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	8470	0.78	ng/ul	0.02
26) Anthracene-d10	17.12	188	425689	4.30	ng/ul	0.00
30) Pyrene-d10	19.42	212	441621	5.23	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	432893	4.17	ng/ul	0.02

Target Compounds

						Qvalue
19) Acenaphthene	14.33	153	71280	1.07	ng/ul	98
25) Phenanthrene	17.06	178	886514	7.55	ng/ul	98
27) Anthracene	17.15	178	177023	1.46	ng/ul	98
28) Fluoranthene	19.09	202	3118797	22.62	ng/ul	98
31) Pyrene	19.45	202	3174604	28.29	ng/ul	97
32) Benzo(a)anthracene	21.21	228	3024936	26.93	ng/ul	98
33) Chrysene	21.26	228	3456195	33.37	ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	7583857	56.05	ng/ul	99
36) Benzo(k)fluoranthene	22.82	252	2124319m	16.24	ng/ul	
38) Benzo(a)pyrene	23.36	252	5510935	41.85	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.69	276	5183875	33.99	ng/ul	97
40) Dibenzo(a,h)anthracene	25.67	278	1320631	10.45	ng/ul	96
41) Benzo(g,h,i)perylene	26.37	276	4573811	34.99	ng/ul	98

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

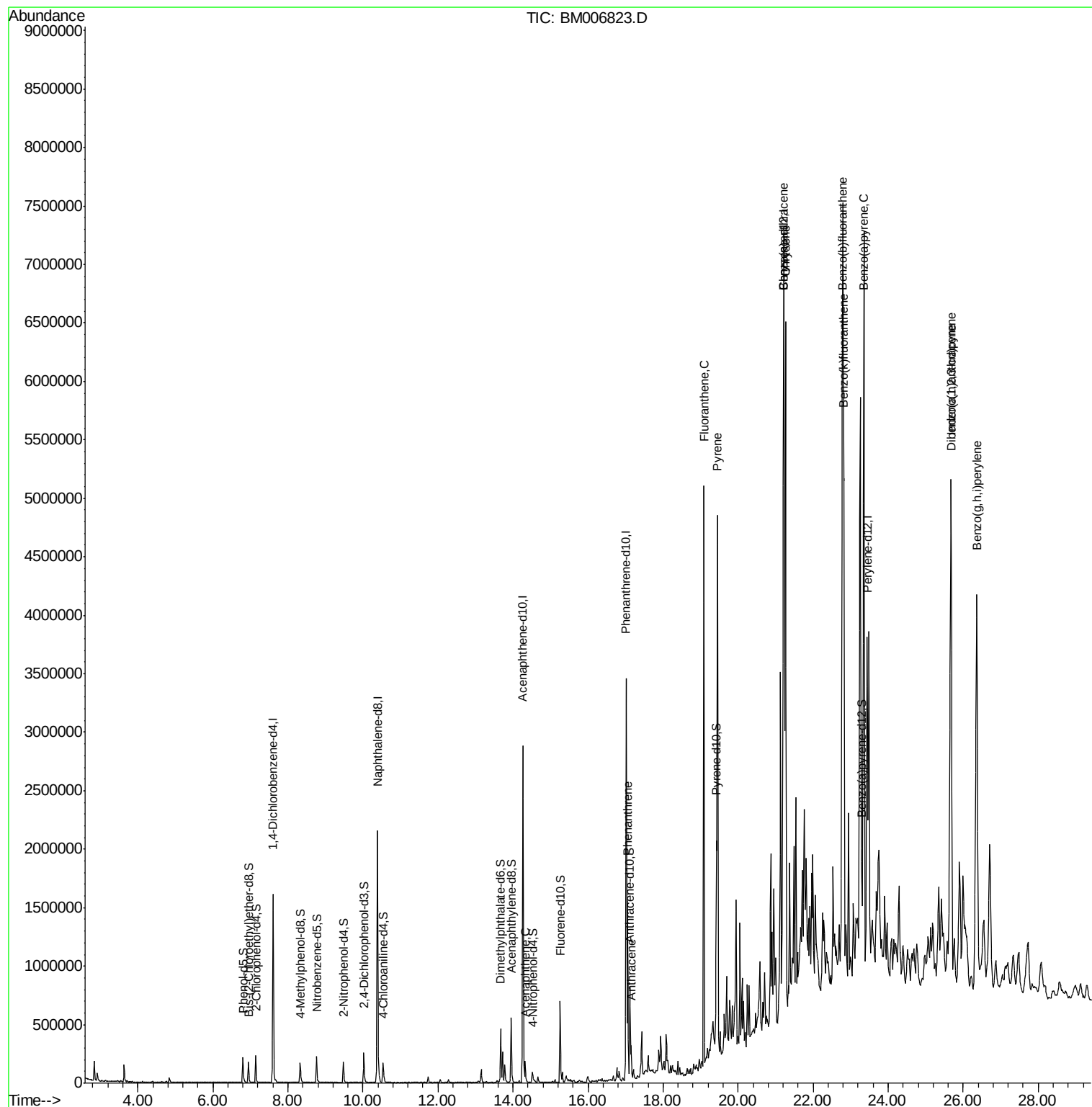
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
Data File : BM006823.D
Acq On : 01 Aug 2016 12:52
Operator : UM/SJ
Sample : H4188-02 5X
Misc :
ALS Vial : 90 Sample Multiplier: 1

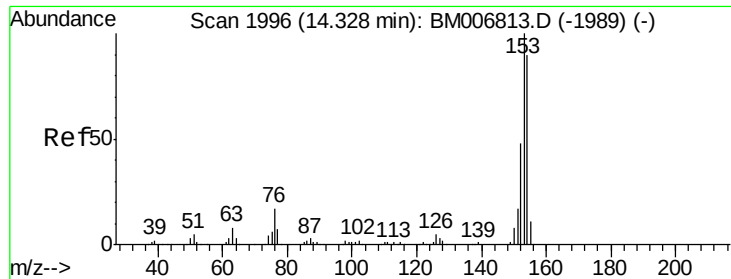
Instrument :
BNA_M
ClientSampleId :
D9ZL0

Quant Time: Aug 01 13:48:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

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#19

Acenaphthene

Concen: 1.07 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BM006823.D

Acq: 01 Aug 2016 12:52

Instrument :

BNA_M

ClientSampleId :

D9ZL0

Tgt Ion:153 Resp: 71280

Ion Ratio Lower Upper

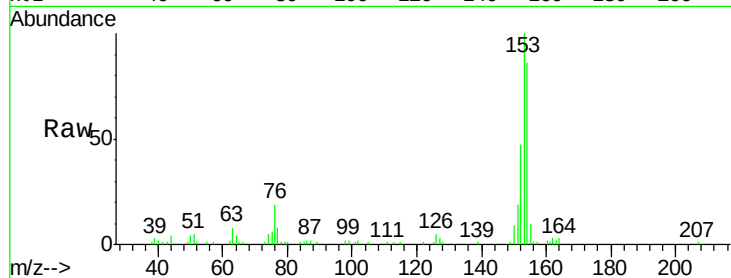
153 100

152 46.6 36.5 54.7

154 86.3 67.3 100.9

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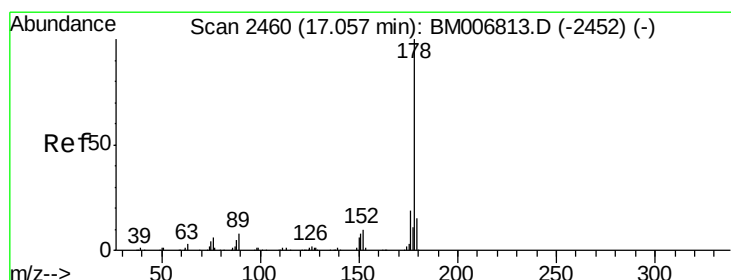
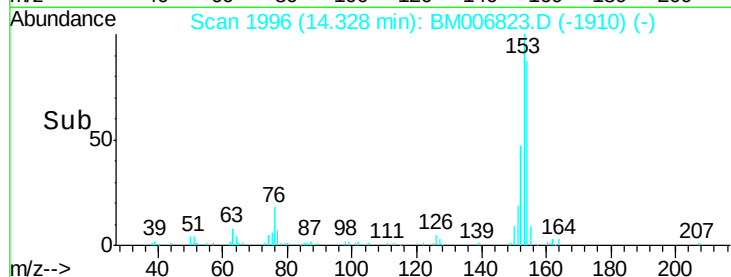
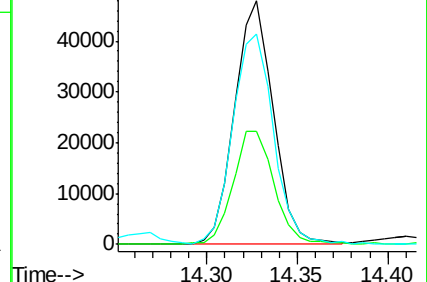
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 7.55 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BM006823.D

Acq: 01 Aug 2016 12:52

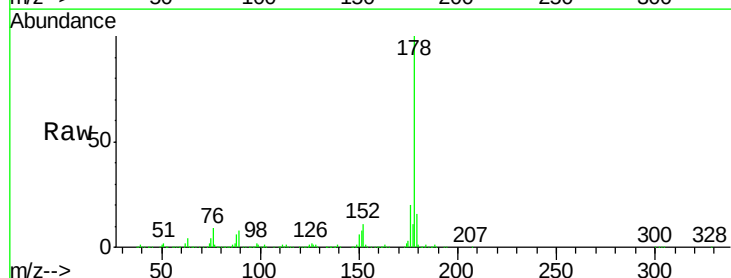
Tgt Ion:178 Resp: 886514

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

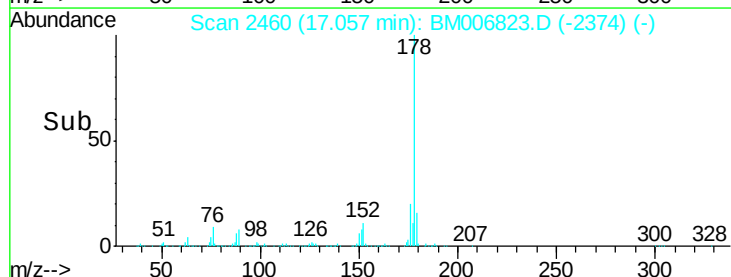
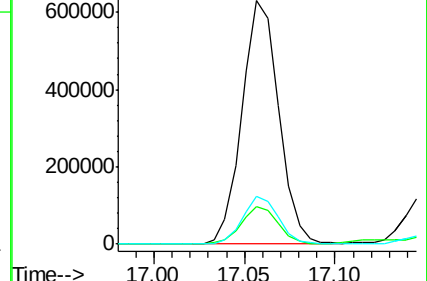
176 19.5 14.8 22.2

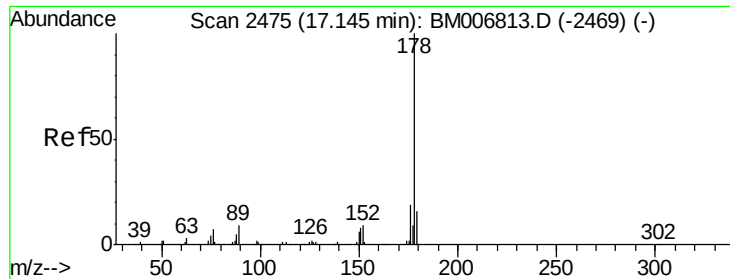


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





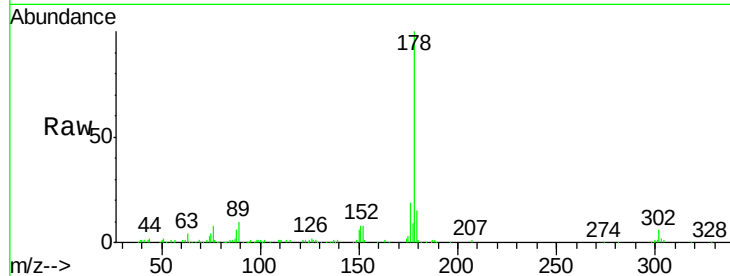
#27
 Anthracene
 Concen: 1.46 ng/ul
 RT: 17.15 min Scan# 2476
 Delta R.T. 0.01 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Instrument :
 BNA_M
 ClientSampleId :
 D9ZL0

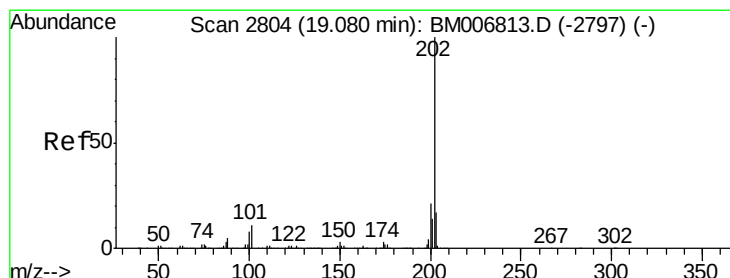
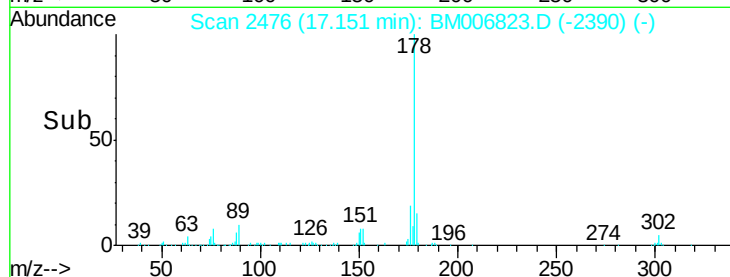
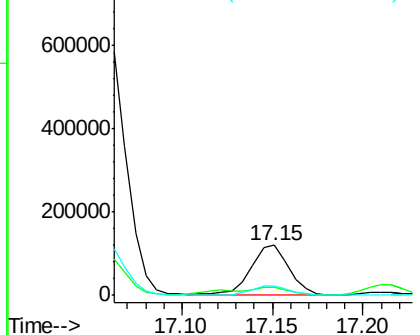
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	177023		
179	15.2		12.9	19.3
176	18.6		15.6	23.4

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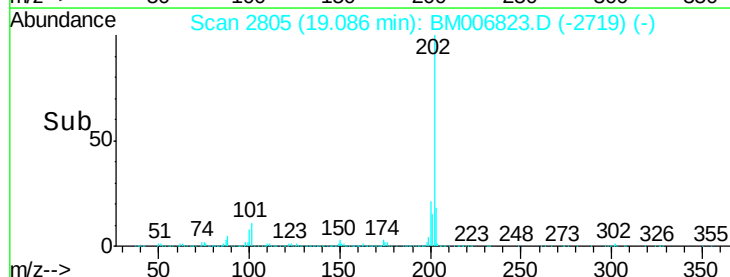
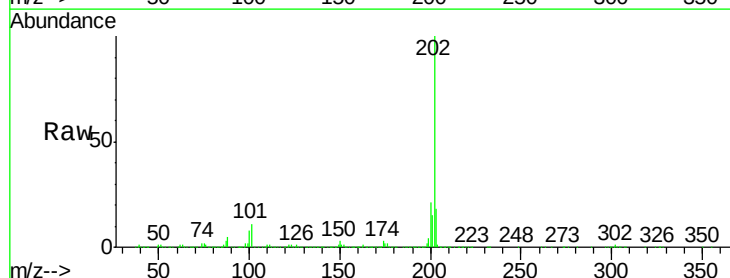
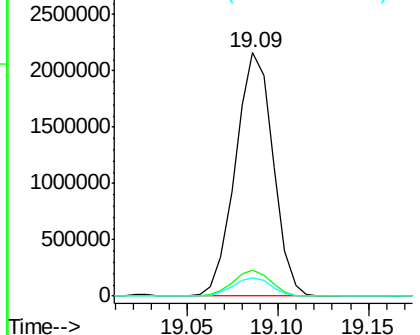
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

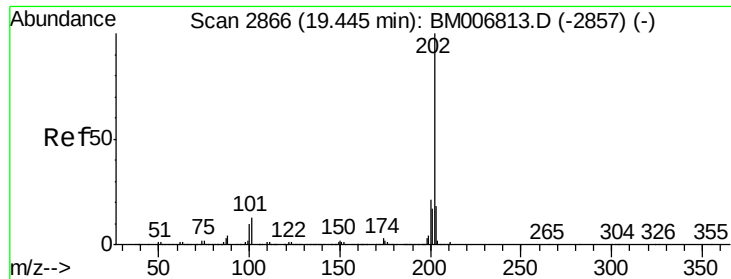


#28
 Fluoranthene
 Concen: 22.62 ng/ul
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3118797		
101	10.6		8.9	13.3
100	7.8		7.0	10.4

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





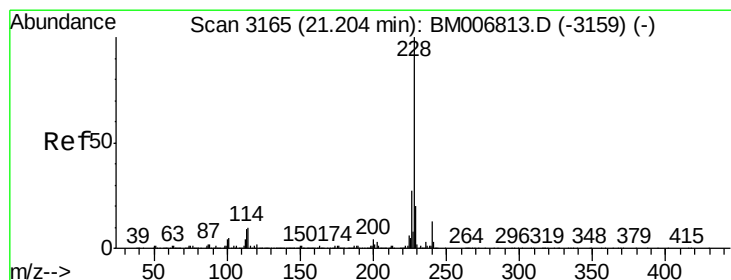
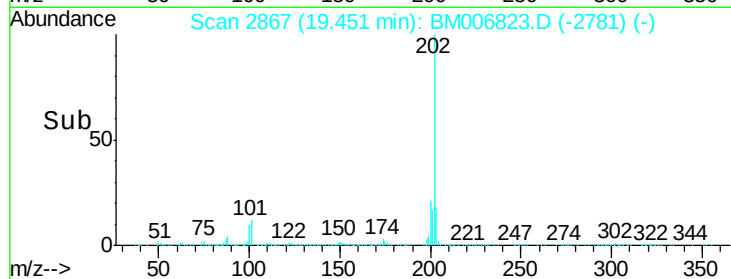
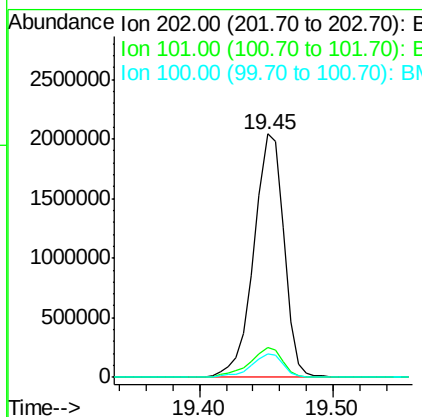
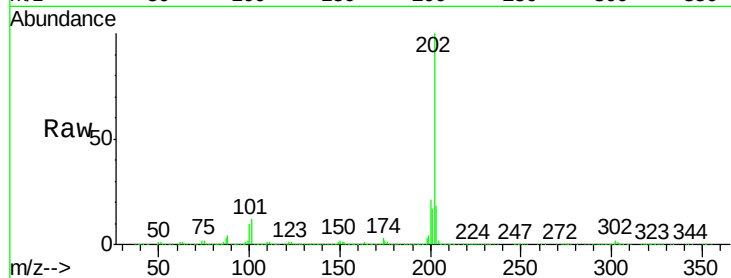
#31
 Pyrene
 Concen: 28.29 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Instrument :
 BNA_M
 ClientSampled :
 D9ZL0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
100	9.6	9.3	13.9

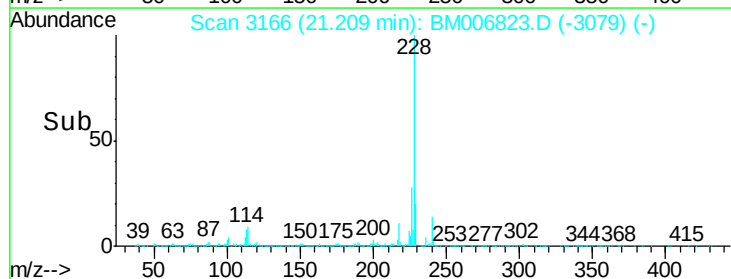
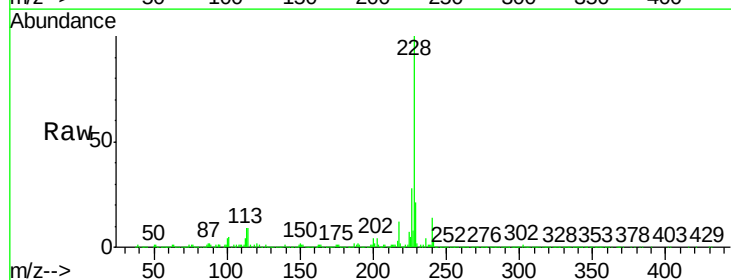
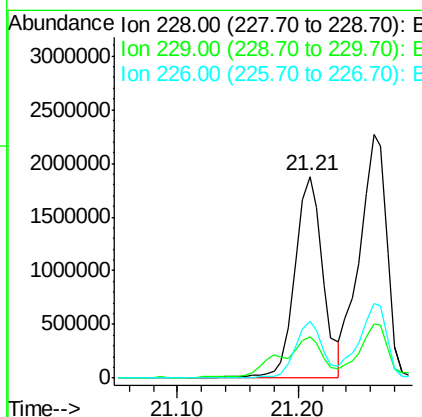
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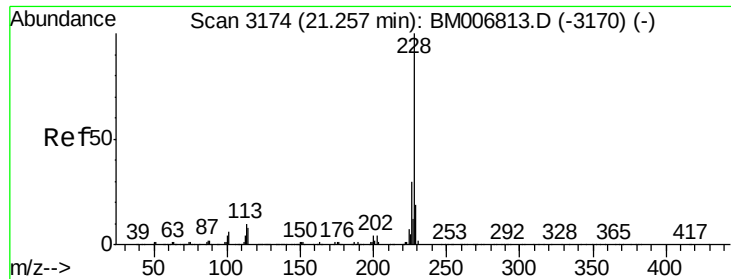
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#32
 Benzo(a)anthracene
 Concen: 26.93 ng/ul
 RT: 21.21 min Scan# 3166
 Delta R.T. 0.01 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	28.0	21.0	31.4





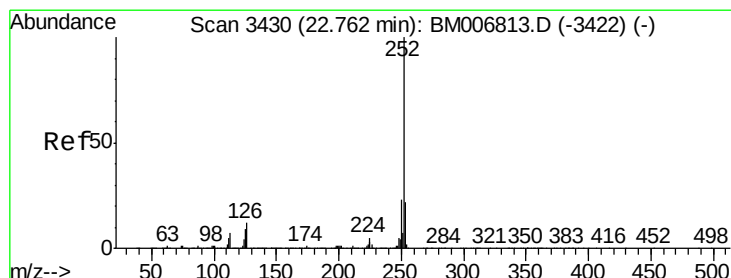
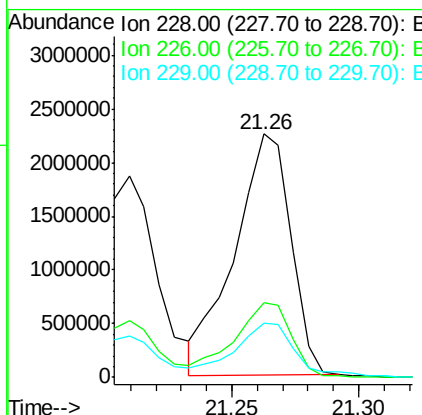
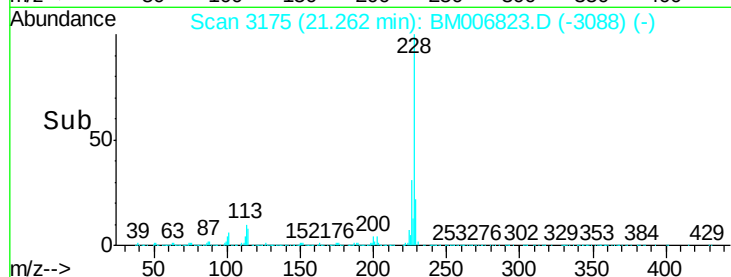
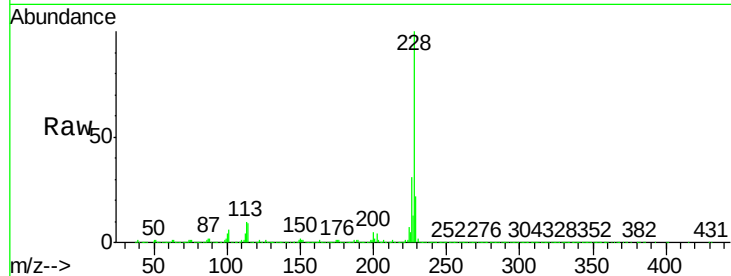
#33
Chrysene
Concen: 33.37 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.01 min
Lab File: BM006823.D
Acq: 01 Aug 2016 12:52

Instrument :
BNA_M
ClientSampleId :
D9ZL0

Tgt Ion: 228 Resp: 3456195
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.4 16.2 24.2

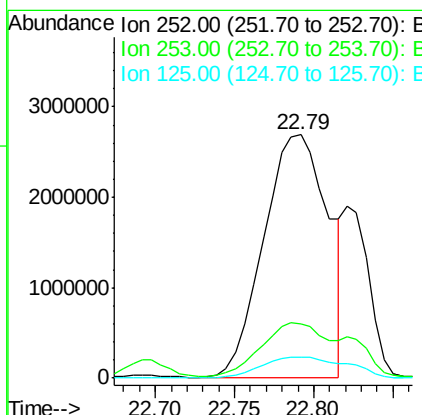
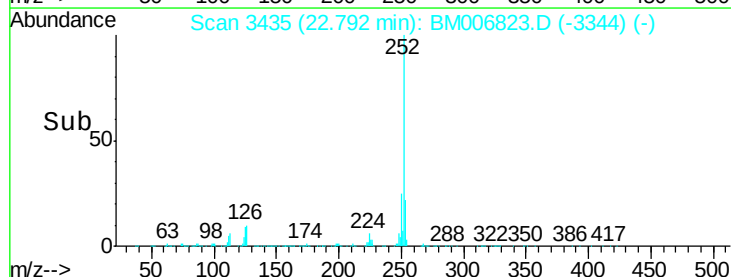
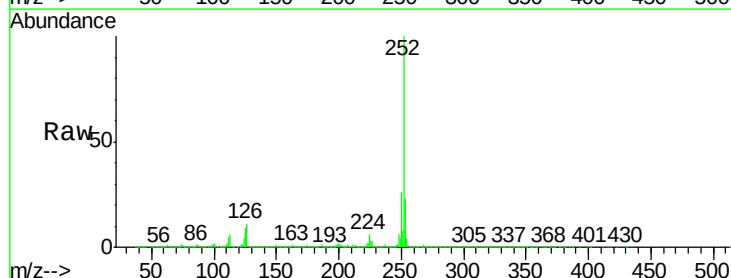
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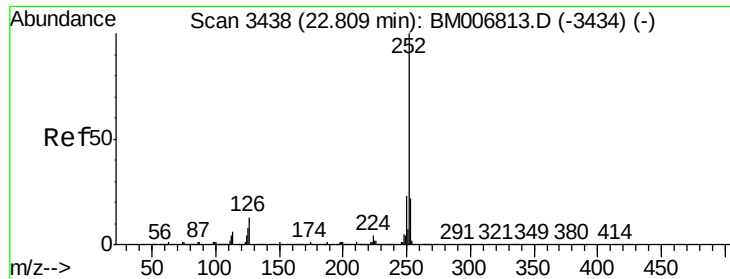
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#35
Benzo(b)fluoranthene
Concen: 56.05 ng/ul
RT: 22.79 min Scan# 3435
Delta R.T. 0.04 min
Lab File: BM006823.D
Acq: 01 Aug 2016 12:52

Tgt Ion: 252 Resp: 7583857
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 8.7 7.6 11.4





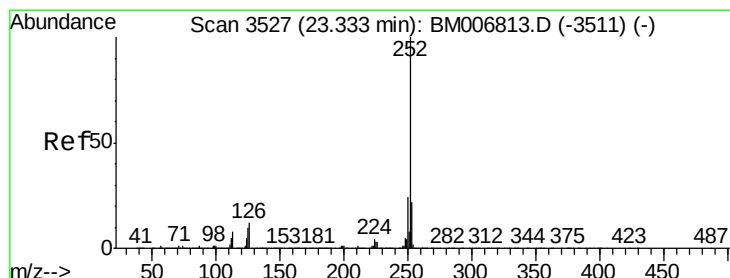
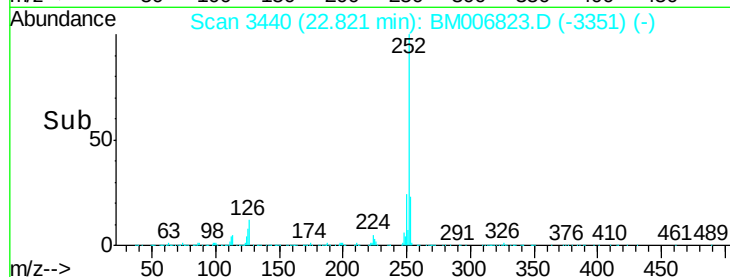
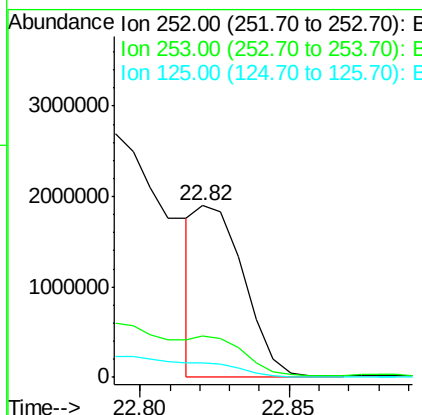
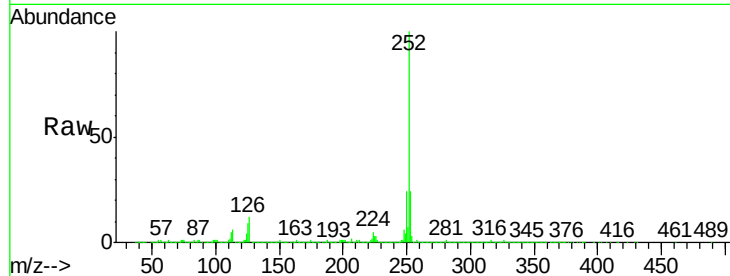
#36
Benzo(k)fluoranthene
Concen: 16.24 ng/ul m
RT: 22.82 min Scan# 3440
Delta R.T. 0.02 min
Lab File: BM006823.D
Acq: 01 Aug 2016 12:52

Instrument :
BNA_M
ClientSampled :
D9ZL0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	8.7	7.7	11.5

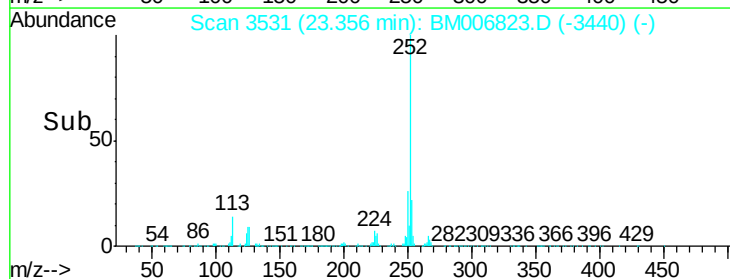
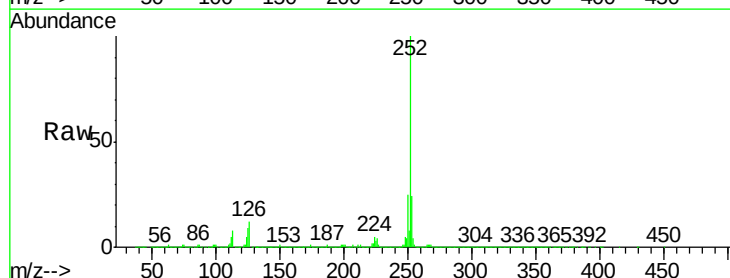
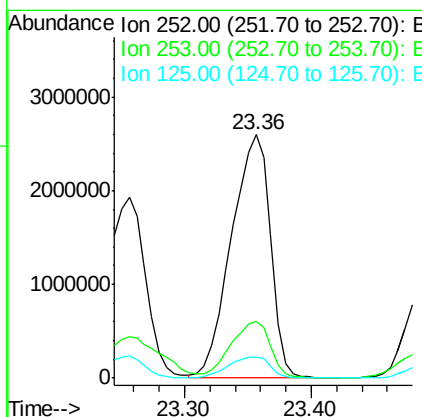
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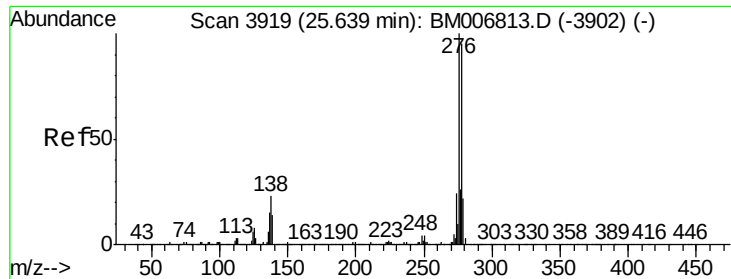
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#38
Benzo(a)pyrene
Concen: 41.85 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. 0.04 min
Lab File: BM006823.D
Acq: 01 Aug 2016 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	8.7	8.2	12.2





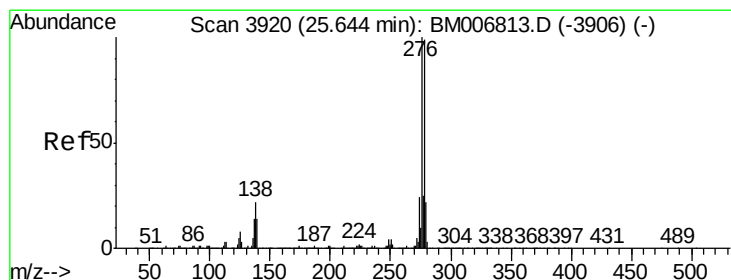
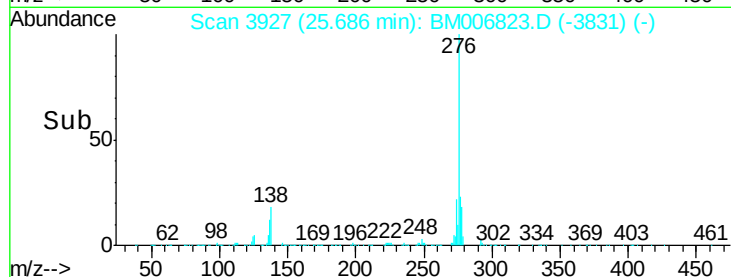
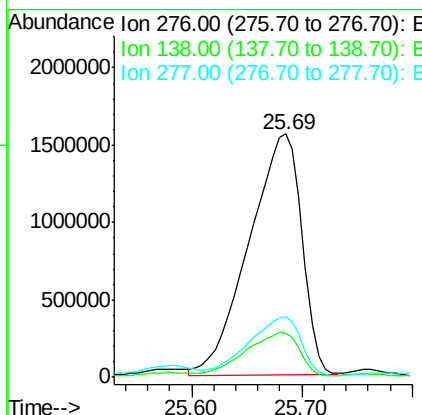
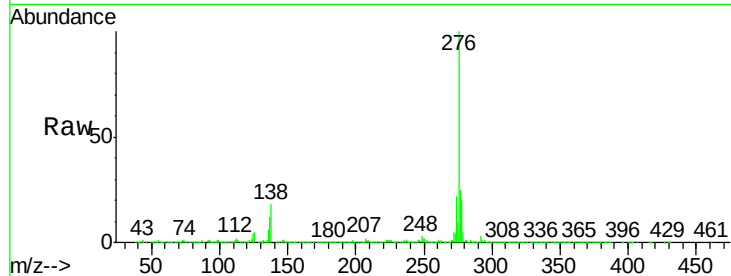
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 33.99 ng/ul
 RT: 25.69 min Scan# 3927
 Delta R.T. 0.06 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Instrument :
 BNA_M
 ClientSampleId :
 D9ZL0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.8	23.6
277	24.8	19.0	28.6

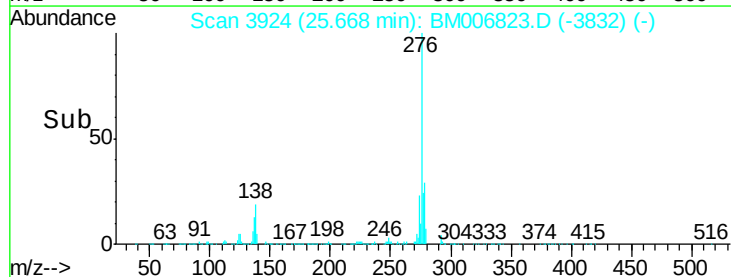
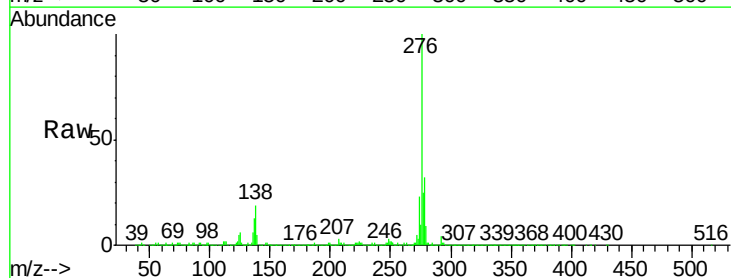
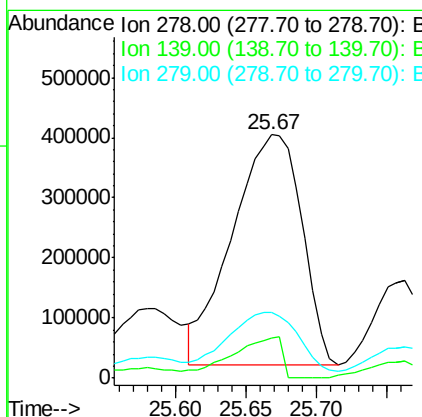
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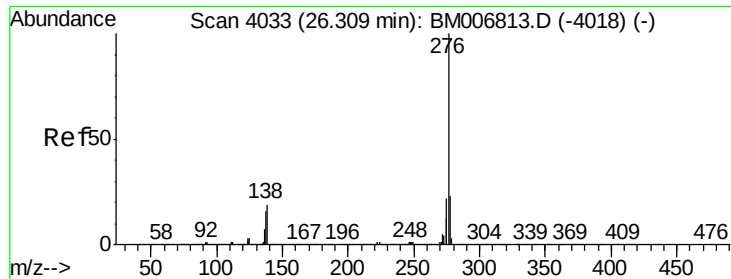
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#40
 Dibenzo(a,h)anthracene
 Concen: 10.45 ng/ul
 RT: 25.67 min Scan# 3924
 Delta R.T. 0.04 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.1	18.1
279	26.9	19.8	29.8





#41
 Benzo(g,h,i)perylene
 Concen: 34.99 ng/ul
 RT: 26.37 min Scan# 4043
 Delta R.T. 0.08 min
 Lab File: BM006823.D
 Acq: 01 Aug 2016 12:52

Instrument :
 BNA_M
 ClientSampleId :
 D9ZL0

Tgt Ion: 276 Resp: 4573811
 Ion Ratio Lower Upper
 276 100
 138 19.5 13.9 20.9
 277 25.0 19.8 29.6

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