

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009571.D
 Acq On : 05 Apr 2017 23:09
 Operator : SJ/MA
 Sample : I2524-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB321

Quant Time: Apr 06 03:49:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:48:05 2017
 Response via : Initial Calibration

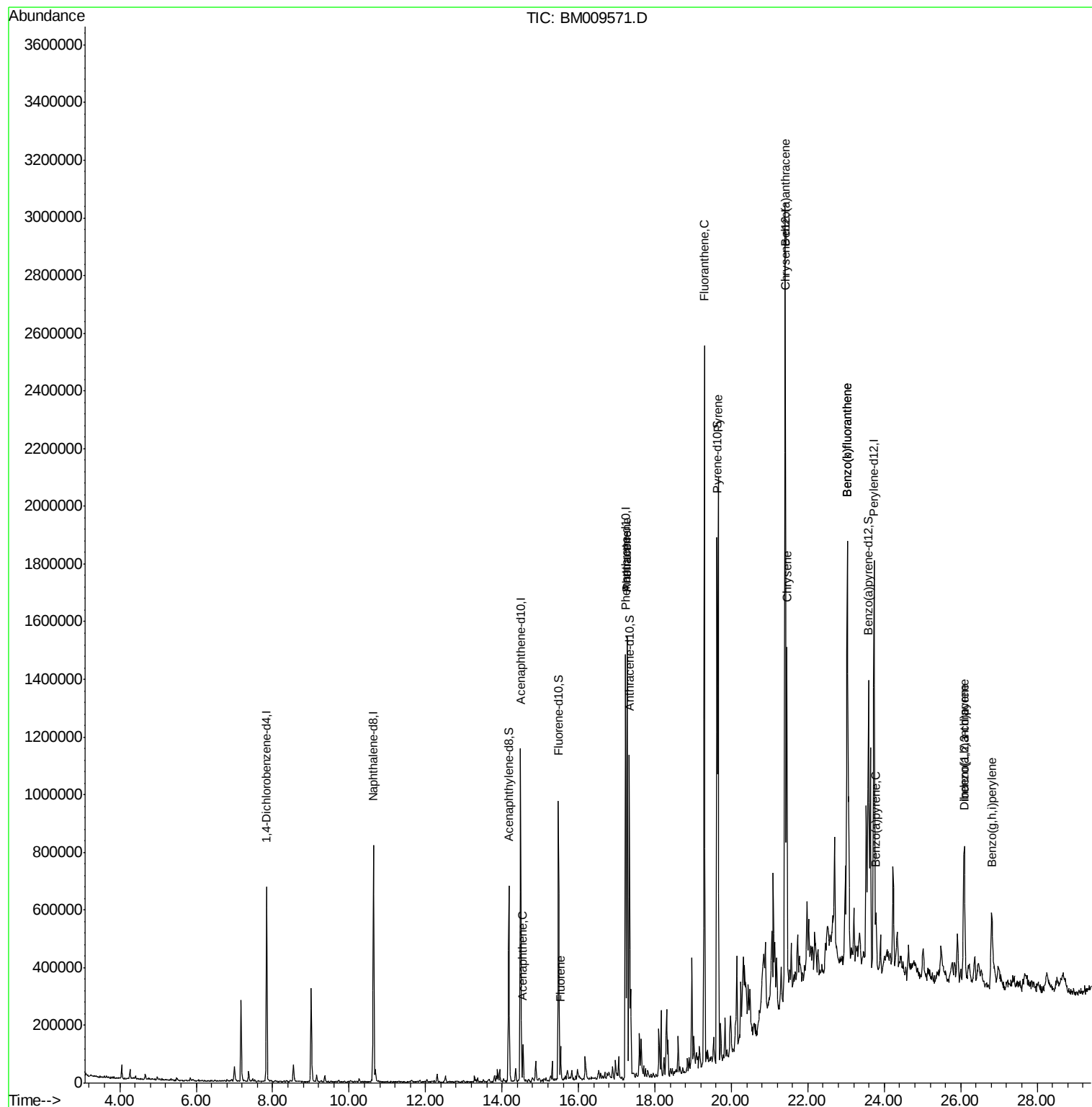
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	156063	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	595943	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	341827	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	801549	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	1104845	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1054976	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	4845	0.53	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	448105	13.38	ng/ul	0.00
10) Fluorene-d10	15.47	176	363580	15.09	ng/ul	0.00
15) Anthracene-d10	17.33	188	592709	15.46	ng/ul	0.00
19) Pyrene-d10	19.63	212	723601	15.94	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	723321	15.53	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.55	153	49120	2.12	ng/ul	88
11) Fluorene	15.53	166	42528	1.51	ng/ul	93
14) Phenanthrene	17.27	178	851486	18.90	ng/ul	97
16) Anthracene	17.27	178	851486	18.27	ng/ul	98
17) Fluoranthene	19.29	202	1378516	24.56	ng/ul#	93
20) Pyrene	19.66	202	1189921	19.78	ng/ul	95
21) Benzo(a)anthracene	21.40	228	692612	11.09	ng/ul	100
22) Chrysene	21.45	228	659287	11.51	ng/ul	96
24) Benzo(b)fluoranthene	23.03	252	886573	13.59	ng/ul	98
25) Benzo(k)fluoranthene	23.03	252	886573	14.26	ng/ul	99
27) Benzo(a)pyrene	23.78	252	110048	1.77	ng/ul	94
28) Indeno(1,2,3-cd)pyrene	26.09	276	382661	5.50	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.10	278	102741	1.74	ng/ul#	91
30) Benzo(g,h,i)perylene	26.82	276	329180	5.74	ng/ul#	94

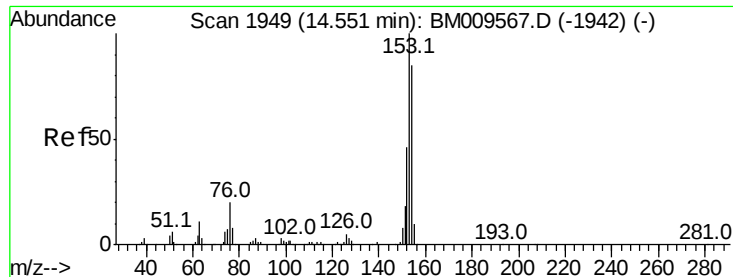
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 2.12 ng/ul

RT: 14.55 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

Instrument :

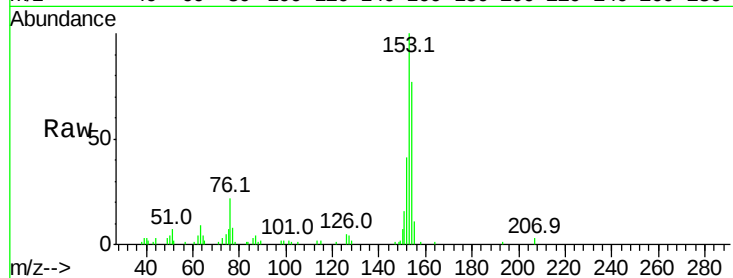
BNA_M

ClientSampleId :

CB321

Tot Ion:153 Resp: 49120

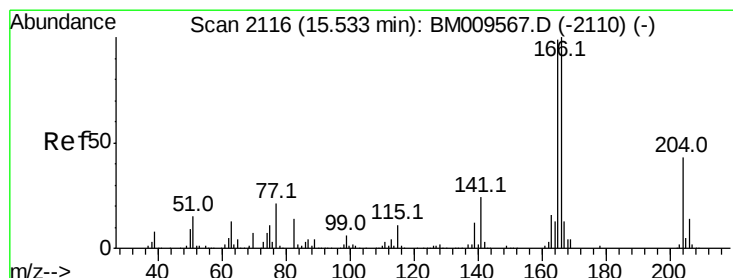
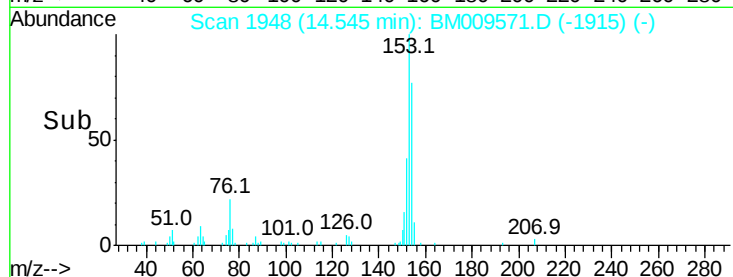
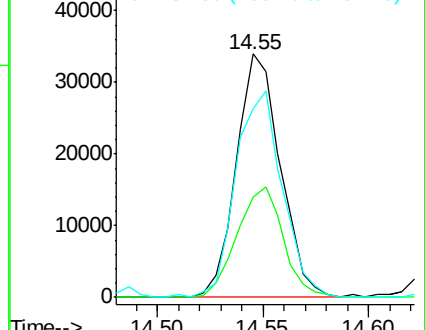
Ion	Ratio	Lower	Upper
153	100		
152	41.1	37.9	56.9
154	77.3	71.6	107.4



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



#11

Fluorene

Concen: 1.51 ng/ul

RT: 15.53 min Scan# 2116

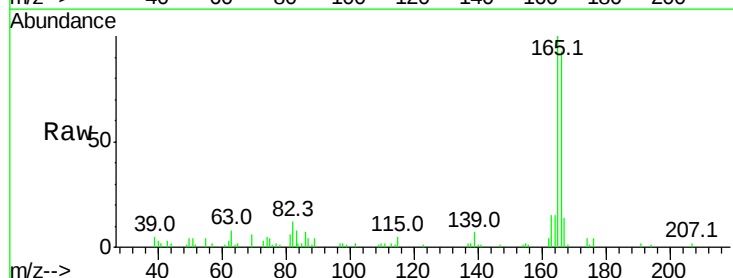
Delta R.T. 0.00 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

Tgt Ion:166 Resp: 42528

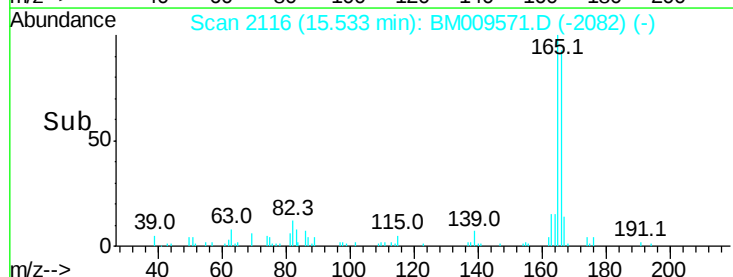
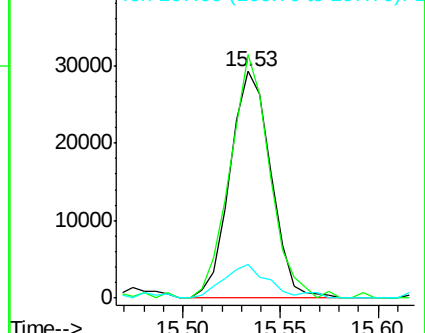
Ion	Ratio	Lower	Upper
166	100		
165	107.4	80.0	120.0
167	14.7	11.6	17.4

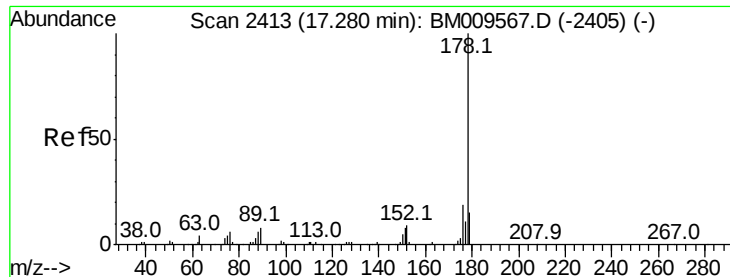


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 18.90 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

Instrument :

BNA_M

ClientSampleId :

CB321

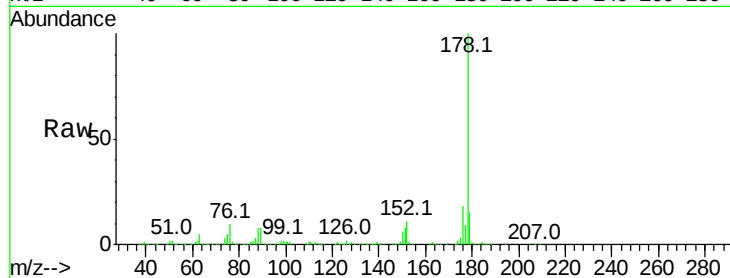
Tot Ion:178 Resp: 851486

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

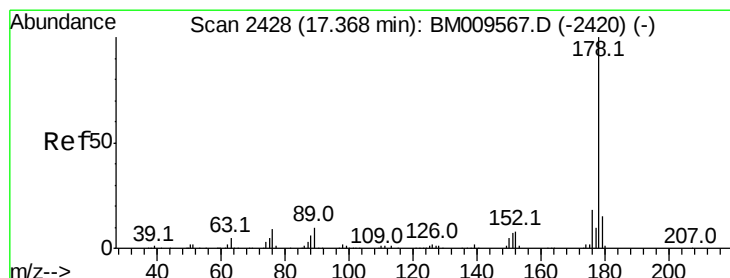
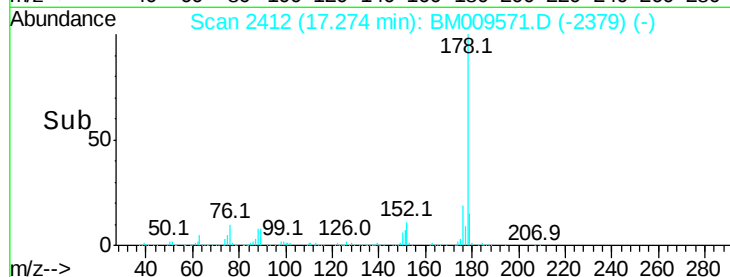
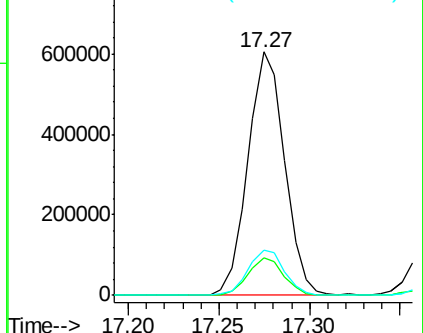
176 18.5 16.4 24.6



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



#16

Anthracene

Concen: 18.27 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.09 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

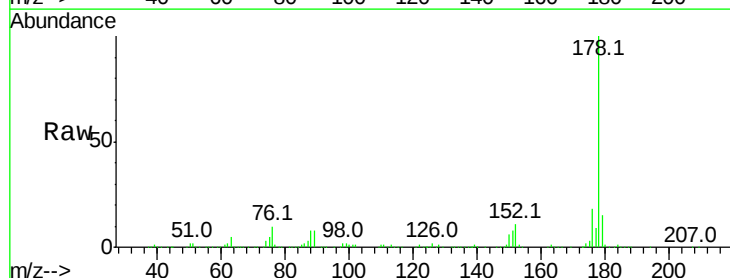
Tgt Ion:178 Resp: 851486

Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

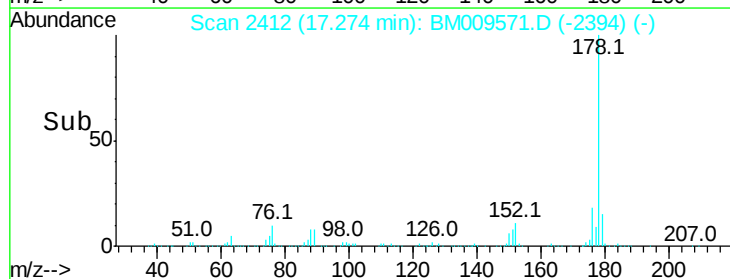
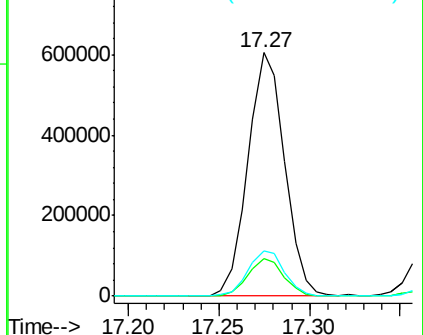
176 18.5 15.8 23.8

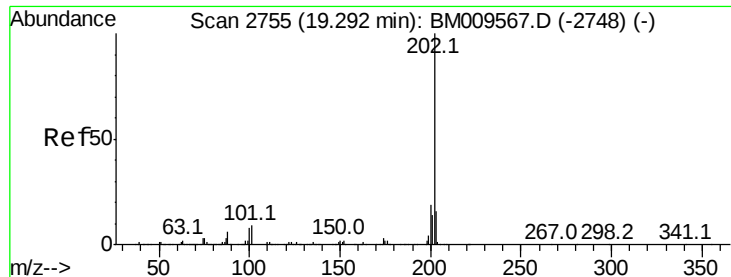


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

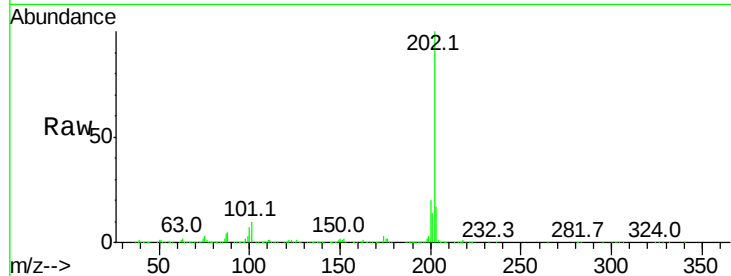




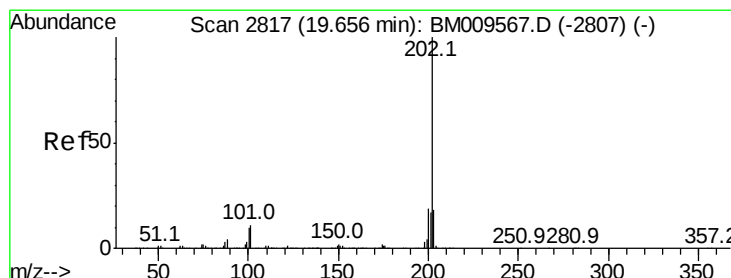
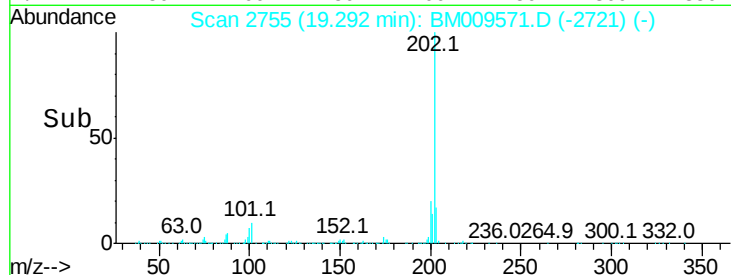
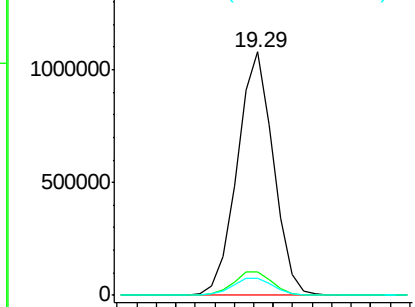
#17
 Fluoranthene
 Concen: 24.56 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009571.D
 Acq: 05 Apr 2017 23:09

Instrument :
 BNA_M
 ClientSampleId :
 CB321

Tot Ion:202 Resp: 1378516
 Ion Ratio Lower Upper
 202 100
 101 9.8 9.8 14.8#
 100 7.0 7.5 11.3#

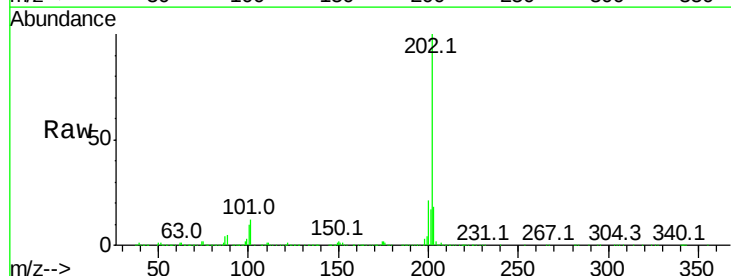


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

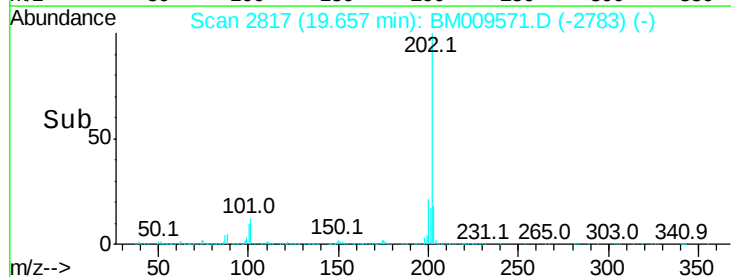
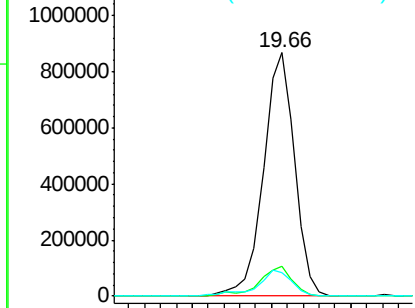


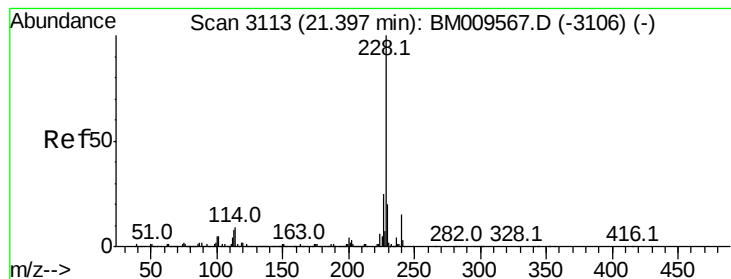
#20
 Pyrene
 Concen: 19.78 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009571.D
 Acq: 05 Apr 2017 23:09

Tgt Ion:202 Resp: 1189921
 Ion Ratio Lower Upper
 202 100
 101 12.2 11.2 16.8
 100 9.8 9.8 14.6



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





#21

Benzo(a)anthracene

Concen: 11.09 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

Instrument :

BNA_M

ClientSampleId :

CB321

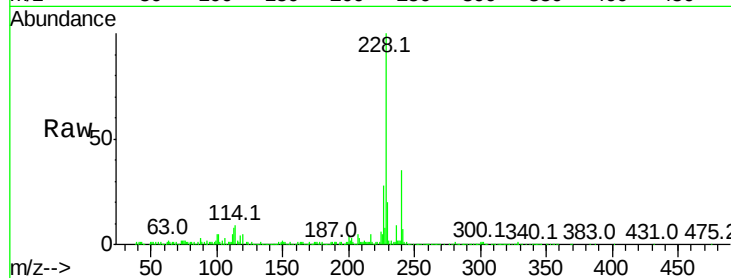
Tot Ion:228 Resp: 692612

Ion Ratio Lower Upper

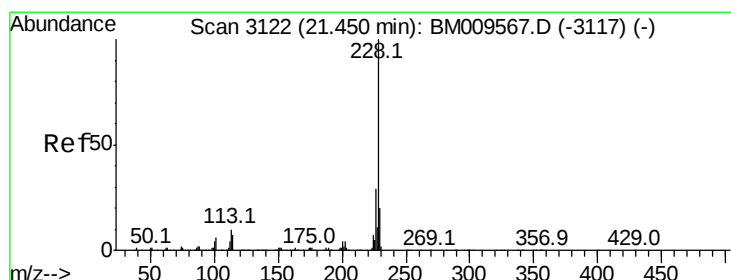
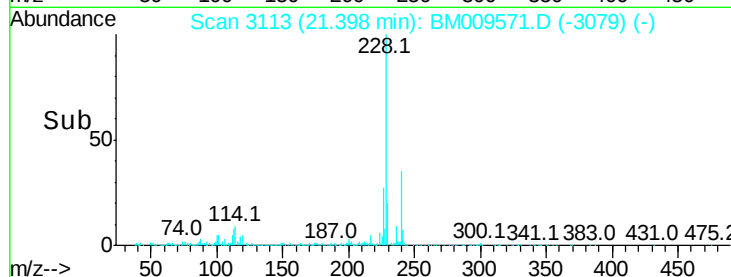
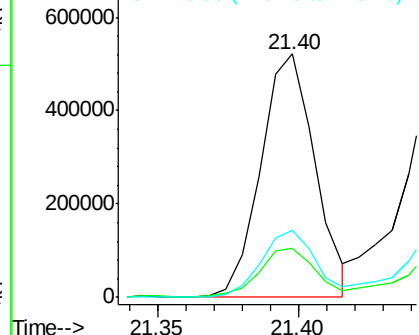
228 100

229 20.0 15.9 23.9

226 27.7 22.1 33.1



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



#22

Chrysene

Concen: 11.51 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

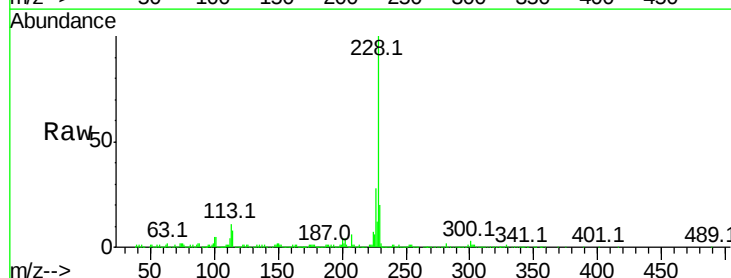
Tgt Ion:228 Resp: 659287

Ion Ratio Lower Upper

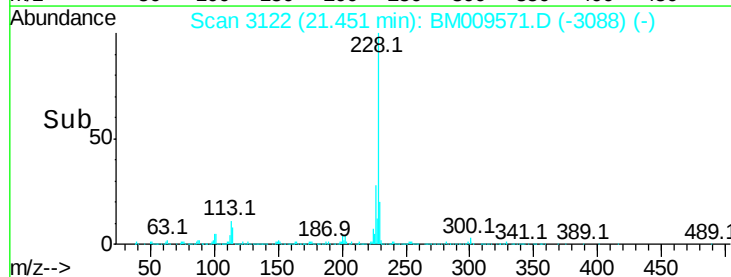
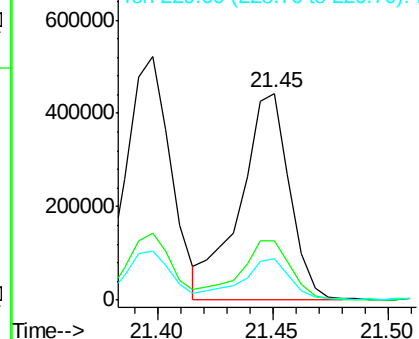
228 100

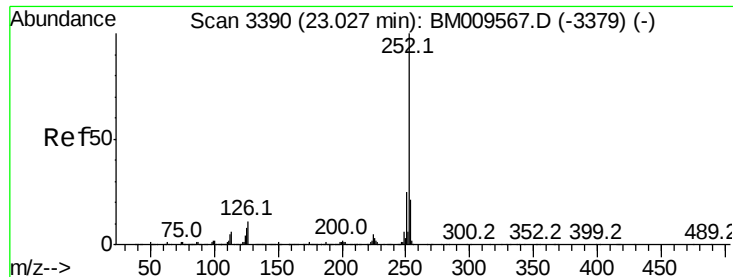
226 28.4 25.0 37.6

229 20.0 16.6 25.0



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

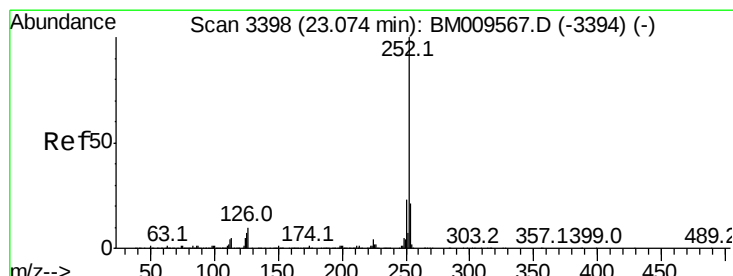
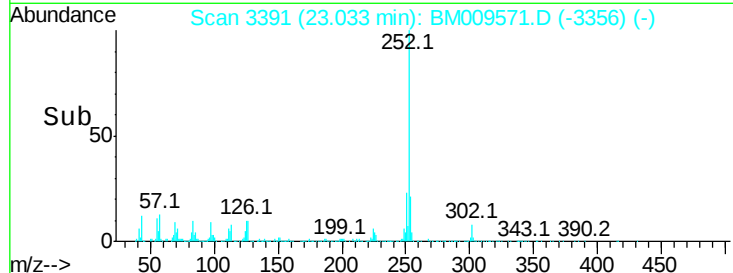
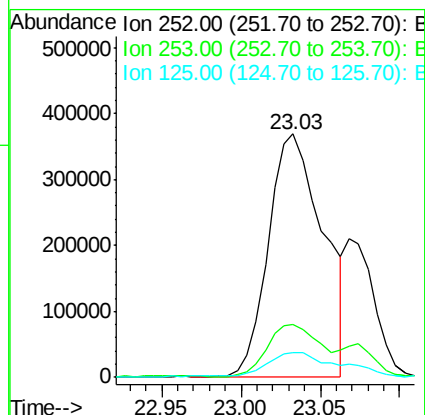
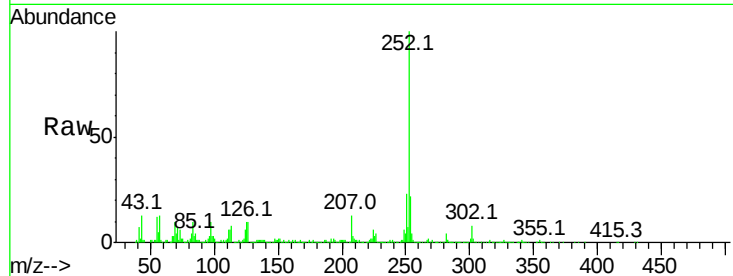




#24
Benzo(b)fluoranthene
Concen: 13.59 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BM009571.D
Acq: 05 Apr 2017 23:09

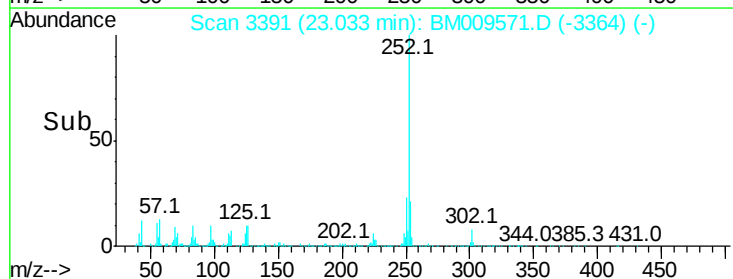
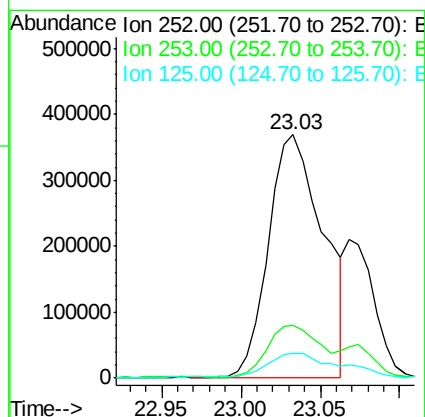
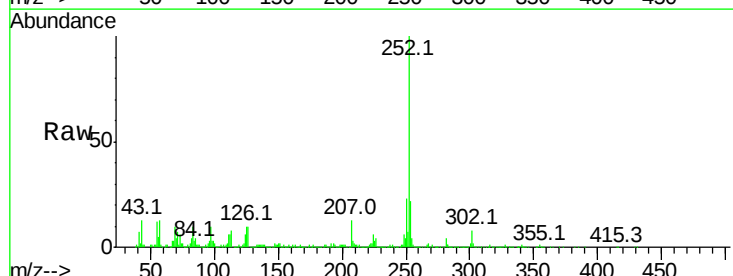
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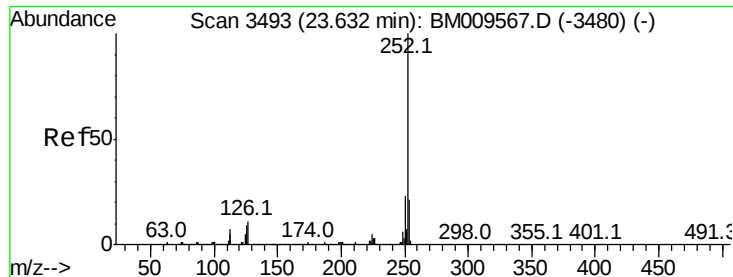
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	10.3	9.4	14.0



#25
Benzo(k)fluoranthene
Concen: 14.26 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.04 min
Lab File: BM009571.D
Acq: 05 Apr 2017 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.3	8.8	13.2

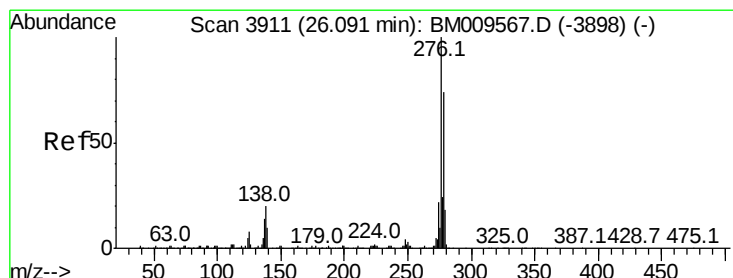
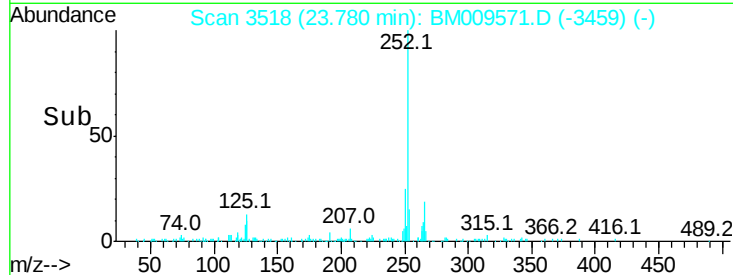
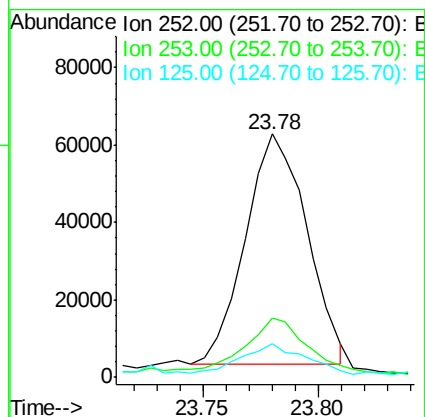
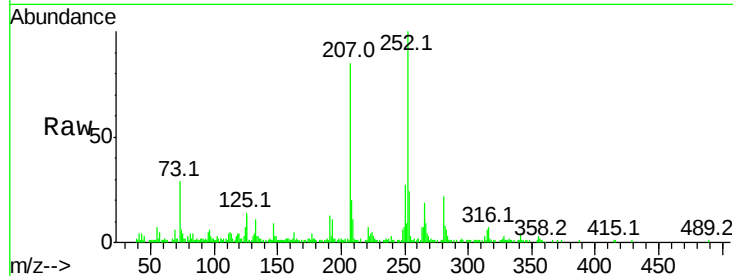




#27
Benzo(a)pyrene
Concen: 1.77 ng/ul
RT: 23.78 min Scan# 3518
Delta R.T. 0.15 min
Lab File: BM009571.D
Acq: 05 Apr 2017 23:09

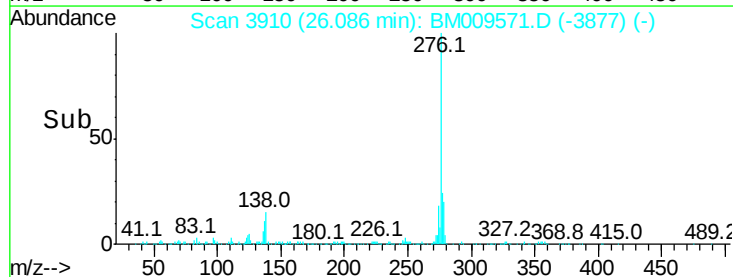
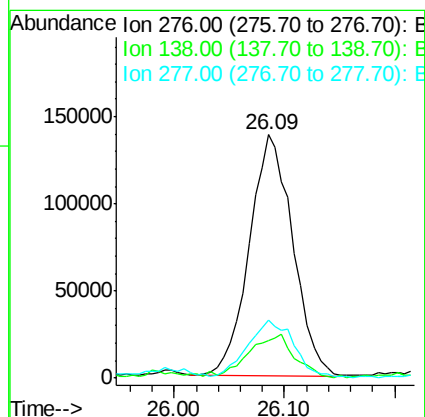
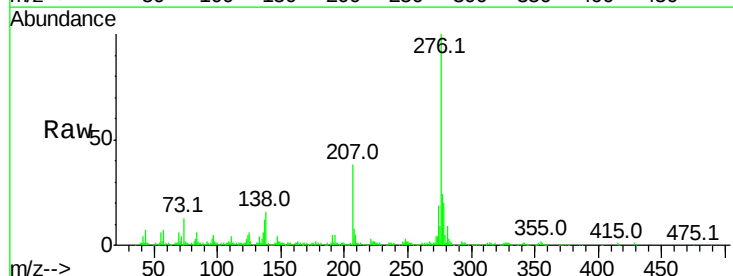
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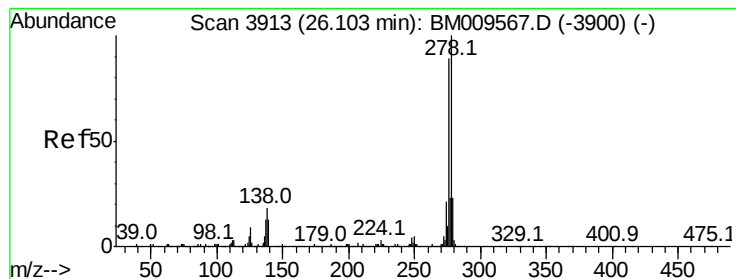
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	14.0	9.4	14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 5.50 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM009571.D
Acq: 05 Apr 2017 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	17.8	26.6#
277	24.1	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.74 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. 0.00 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

Instrument :

BNA_M

ClientSampleId :

CB321

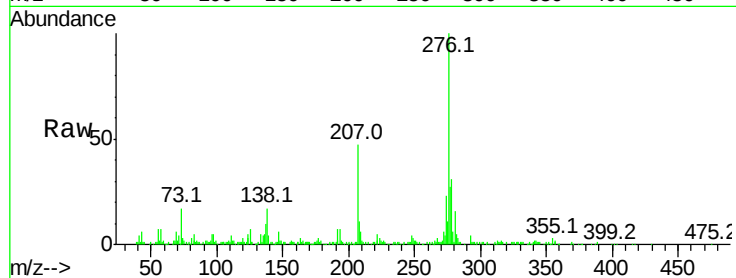
Tot Ion:278 Resp: 102741

Ion Ratio Lower Upper

278 100

139 14.2 14.0 21.0

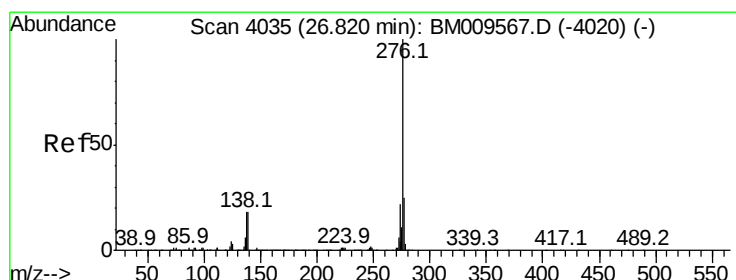
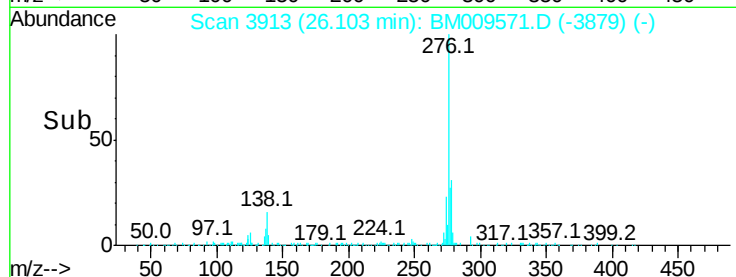
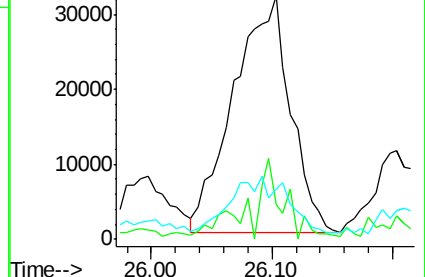
279 20.5 20.6 31.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 5.74 ng/ul

RT: 26.82 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM009571.D

Acq: 05 Apr 2017 23:09

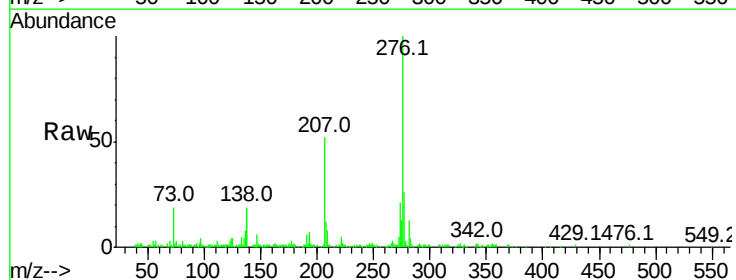
Tgt Ion:276 Resp: 329180

Ion Ratio Lower Upper

276 100

138 18.6 19.0 28.4#

277 25.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

