

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
 Data File : BM006984.D
 Acq On : 08 Aug 2016 08:48
 Operator : UM/SJ
 Sample : H4302-06 2X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H0

Manual Integrations
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Quant Time: Aug 08 16:38:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 15:12:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	205193	20.00	ng/ul	0.00
7) Naphthalene-d8	10.33	136	942633	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.21	164	561759	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1279228	20.00	ng/ul	0.00
29) Chrysene-d12	21.19	240	1185863	20.00	ng/ul	0.00
34) Perylene-d12	23.37	264	1100326	20.00	ng/ul	0.01

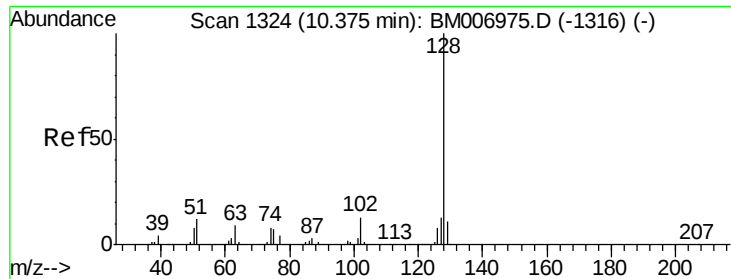
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	3334	0.74	ng/uL	0.00
3) Phenol-d5	6.77	99	152094	7.82	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.90	67	105726	8.67	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	126921	9.14	ng/ul	0.00
6) 4-Methylphenol-d8	8.30	113	112180	6.91	ng/ul	0.01
8) Nitrobenzene-d5	8.72	128	65628	9.37	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	71436	8.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.99	165	135354	8.52	ng/ul	0.01
12) 4-Chloroaniline-d4	10.50	131	117568	6.19	ng/ul	0.01
16) Dimethylphthalate-d6	13.63	166	465308	9.41	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	577816	10.11	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	47308m	6.60	ng/ul	0.04
21) Fluorene-d10	15.21	176	420483	10.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.39	200	16703	3.16	ng/ul	0.02
26) Anthracene-d10	17.07	188	644811	10.43	ng/ul	0.00
30) Pyrene-d10	19.38	212	684126	12.10	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.24	264	539799	10.30	ng/ul	0.01

Target Compounds

						Qvalue
11) Naphthalene	10.37	128	226320	4.68	ng/ul	98
13) 2-Methylnaphthalene	12.00	142	43354	1.12	ng/ul	90
19) Acenaphthene	14.27	153	285637	7.30	ng/ul	99
22) Fluorene	15.27	166	165192	3.34	ng/ul	96
25) Phenanthrene	17.02	178	4312920	60.28	ng/ul	99
27) Anthracene	17.10	178	759731	10.14	ng/ul	99
28) Fluoranthene	19.04	202	7824724	89.88	ng/ul#	97
31) Pyrene	19.41	202	6139218	83.30	ng/ul	96
32) Benzo(a)anthracene	21.17	228	3201013	45.50	ng/ul	97
33) Chrysene	21.22	228	2775373	44.81	ng/ul	97
35) Benzo(b)fluoranthene	22.73	252	4432723	61.73	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	1527456m	22.03	ng/ul	
38) Benzo(a)pyrene	23.29	252	2975722	45.70	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.57	276	2442107	36.97	ng/ul	97
40) Dibenzo(a,h)anthracene	25.57	278	610521	10.98	ng/ul#	87
41) Benzo(g,h,i)perylene	26.24	276	2335270	44.89	ng/ul	97

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



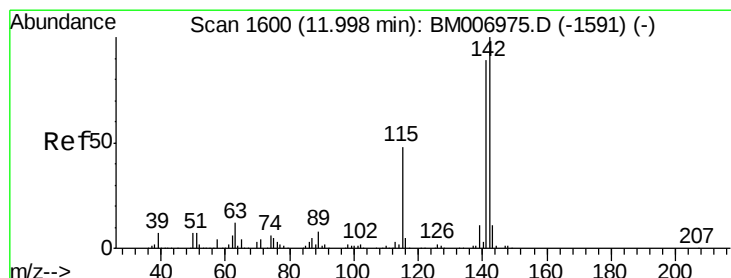
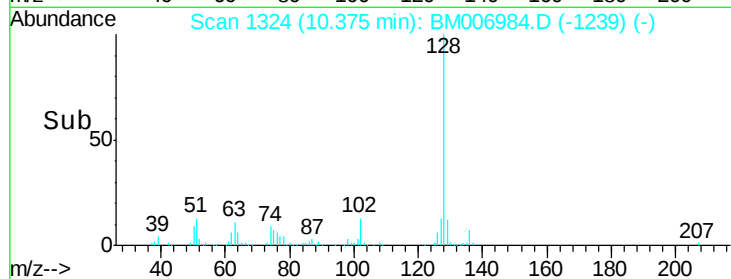
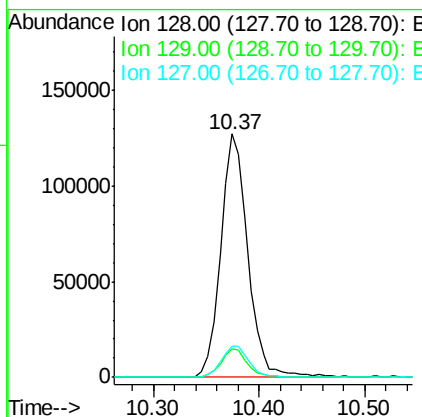
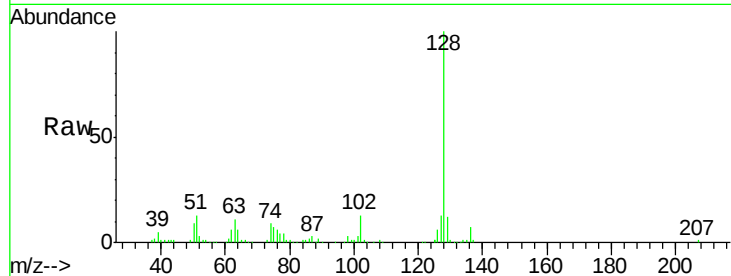
#11
Naphthalene
Concen: 4.68 ng/ul
RT: 10.37 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Instrument :
BNA_M
ClientSampleId :
DA0H0

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	226320		
129	11.8	8.6	13.0	
127	12.7	9.8	14.8	

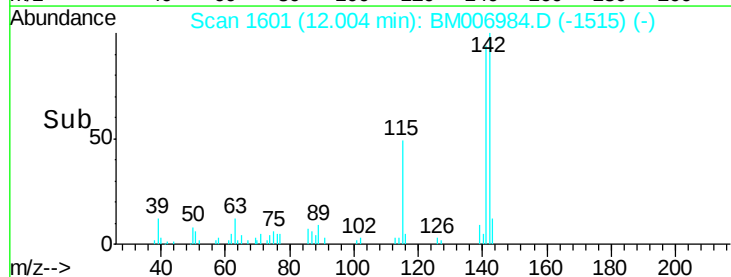
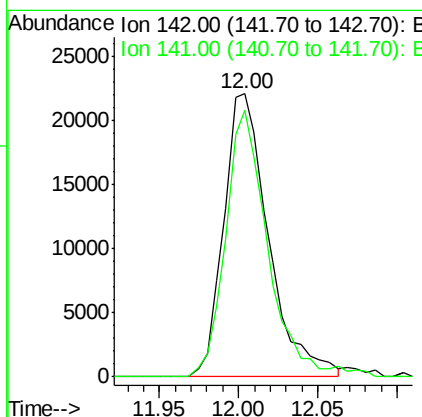
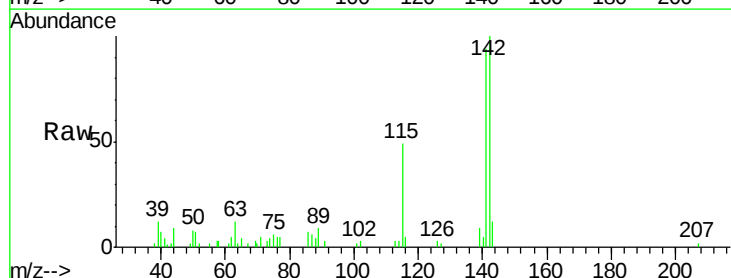
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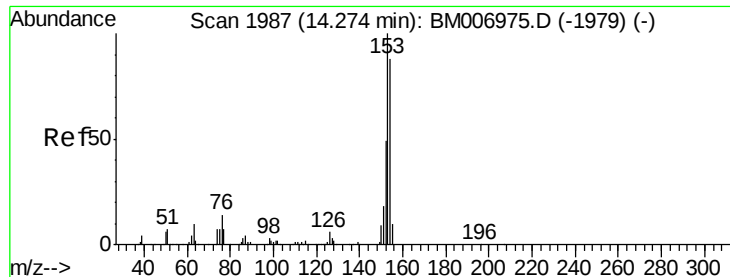
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#13
2-Methylnaphthalene
Concen: 1.12 ng/ul
RT: 12.00 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	43354		
141	94.3	68.2	102.2	





#19

Acenaphthene

Concen: 7.30 ng/ul

RT: 14.27 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM006984.D

Acq: 08 Aug 2016 08:48

Instrument :

BNA_M

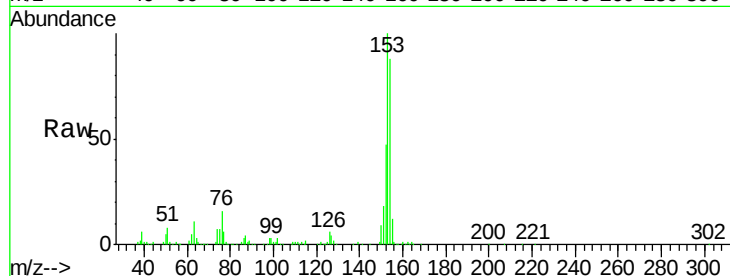
ClientSampled :

DA0H0

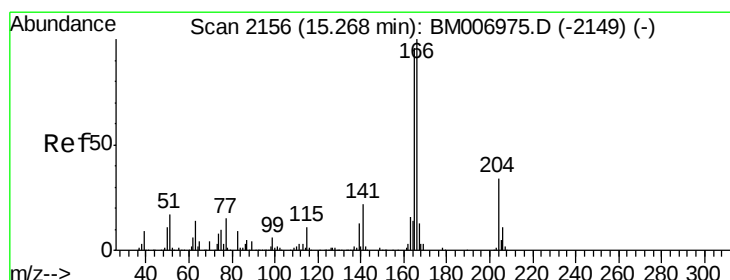
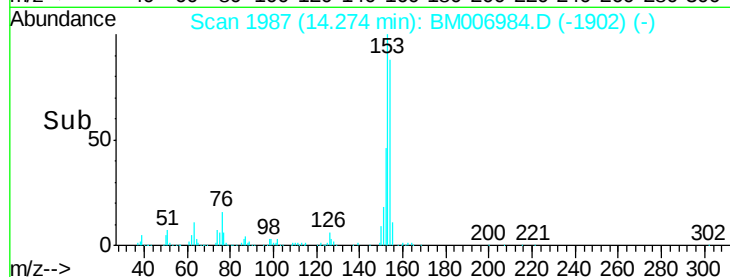
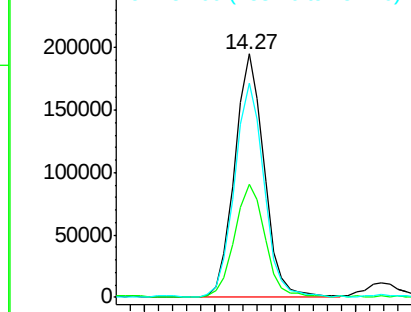
Tgt Ion:	153	Resp:	285637
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.0	55.6
154	87.7	69.3	103.9

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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



#22

Fluorene

Concen: 3.34 ng/ul

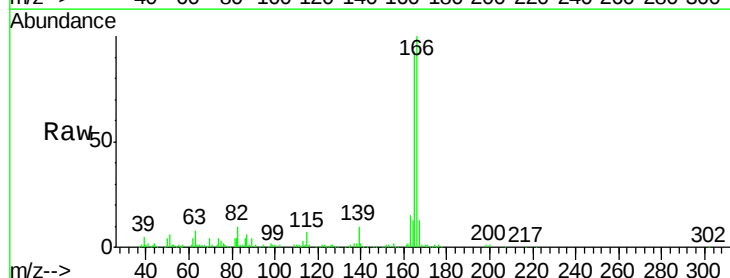
RT: 15.27 min Scan# 2156

Delta R.T. -0.00 min

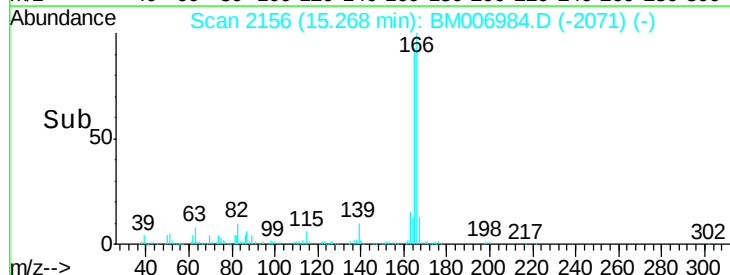
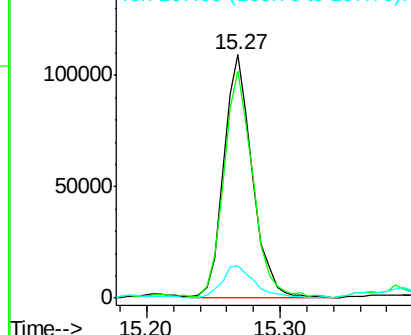
Lab File: BM006984.D

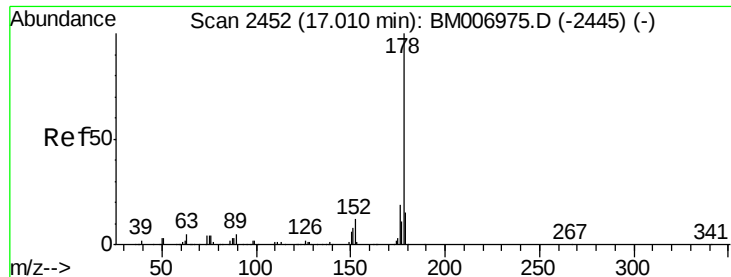
Acq: 08 Aug 2016 08:48

Tgt Ion:	166	Resp:	165192
Ion Ratio	Lower	Upper	
166	100		
165	93.1	78.2	117.4
167	13.2	10.7	16.1



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





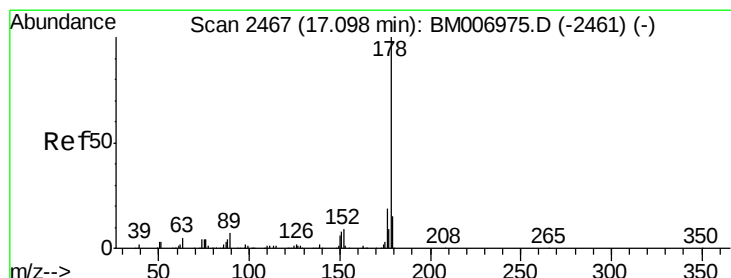
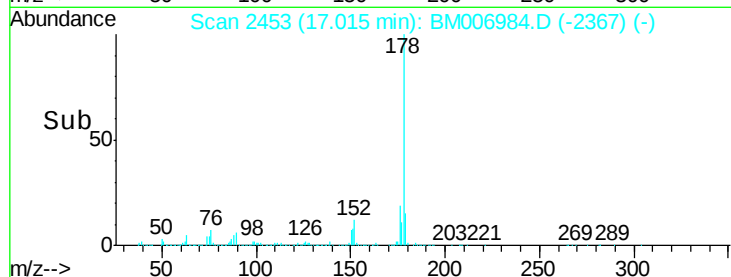
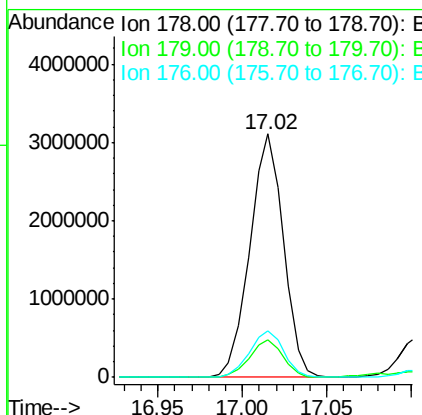
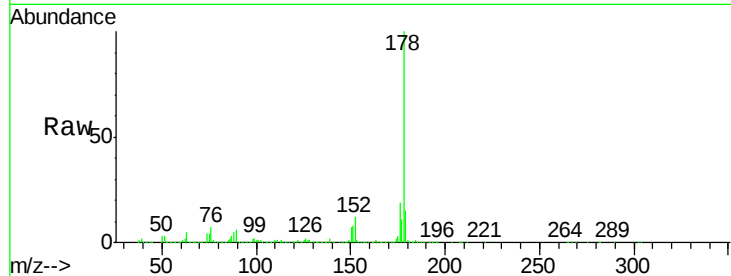
#25
Phenanthrene
Concen: 60.28 ng/ul
RT: 17.02 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Instrument :
BNA_M
ClientSampleId :
DA0H0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.3	15.0	22.4

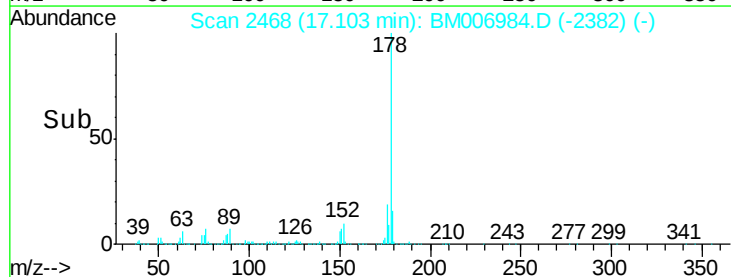
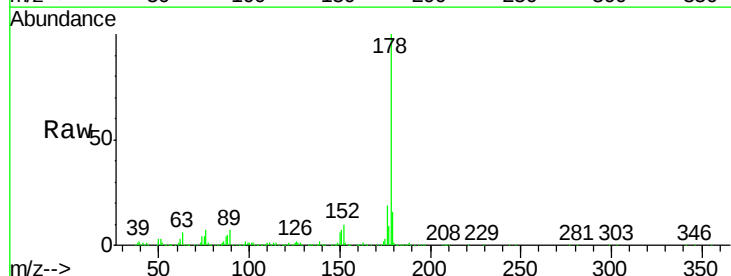
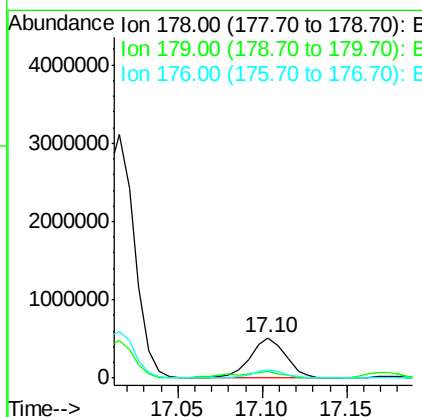
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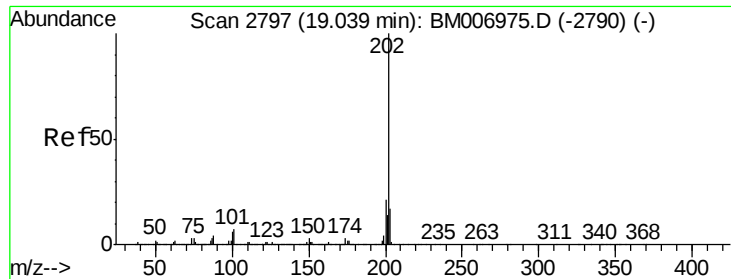
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#27
Anthracene
Concen: 10.14 ng/ul
RT: 17.10 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.5	18.7
176	19.4	15.4	23.0





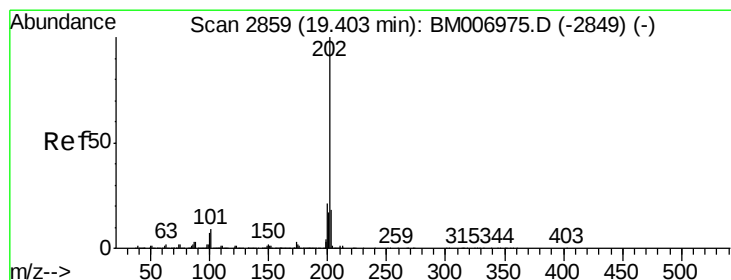
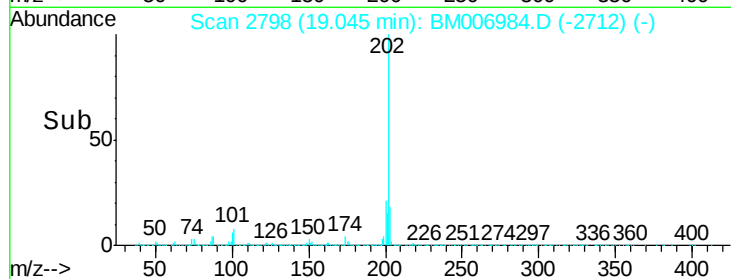
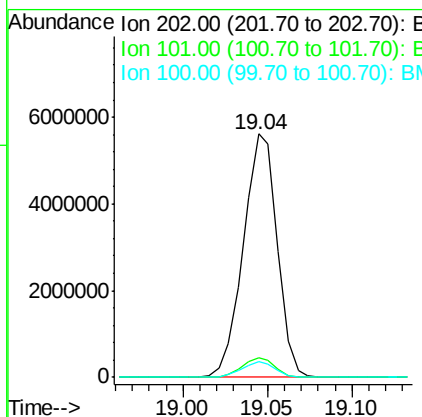
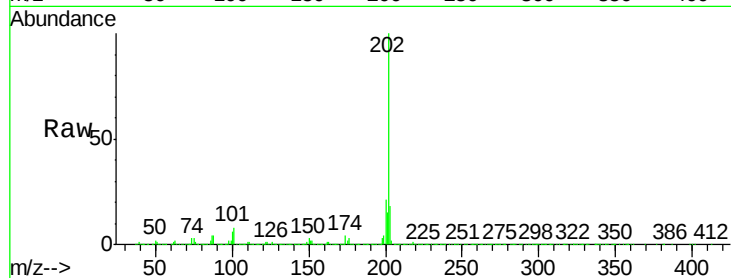
#28
Fluoranthene
 Concen: 89.88 ng/ul
 RT: 19.04 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: BM006984.D
 Acq: 08 Aug 2016 08:48

Instrument :
 BNA_M
 ClientSampleId :
 DA0H0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	5.6	8.4
100	6.4	4.2	6.4#

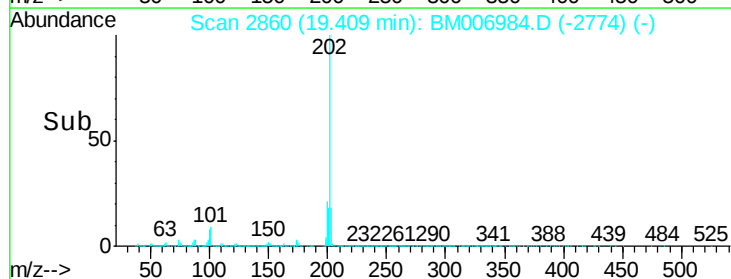
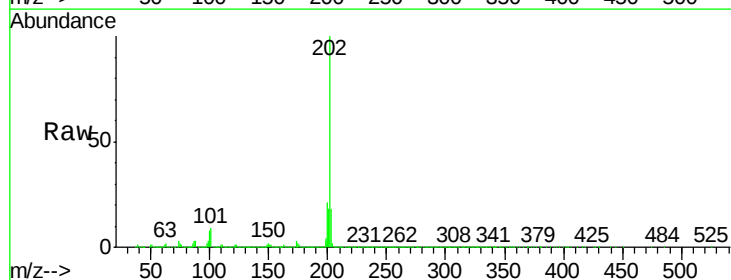
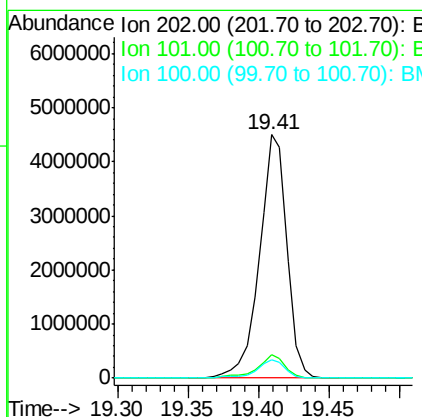
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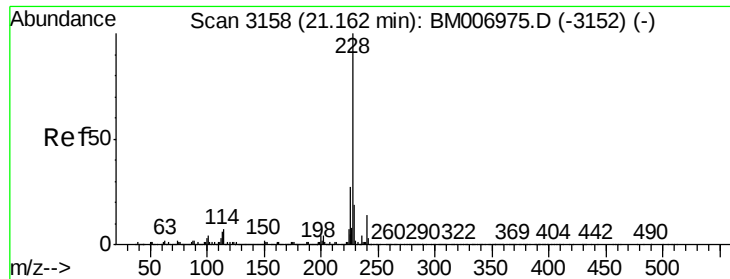
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#31
Pyrene
 Concen: 83.30 ng/ul
 RT: 19.41 min Scan# 2860
 Delta R.T. 0.01 min
 Lab File: BM006984.D
 Acq: 08 Aug 2016 08:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	6.4	9.6
100	7.8	5.4	8.2





#32

Benzo(a)anthracene

Concen: 45.50 ng/ul

RT: 21.17 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BM006984.D

Acq: 08 Aug 2016 08:48

Instrument :

BNA_M

ClientSampleId :

DA0H0

Tgt Ion:228 Resp: 3201013

Ion Ratio Lower Upper

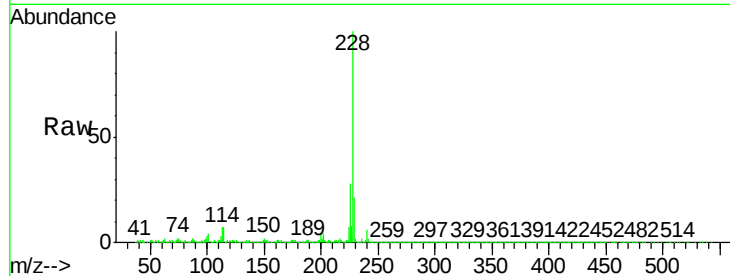
228 100

229 20.6 15.2 22.8

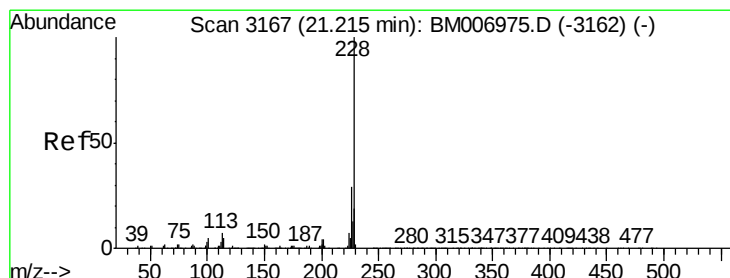
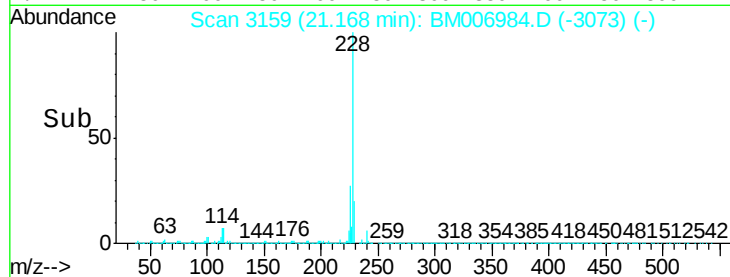
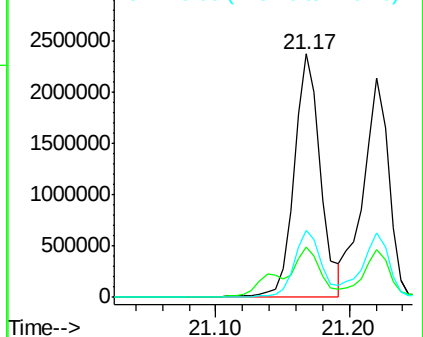
226 27.6 21.3 31.9

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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



#33

Chrysene

Concen: 44.81 ng/ul

RT: 21.22 min Scan# 3168

Delta R.T. 0.01 min

Lab File: BM006984.D

Acq: 08 Aug 2016 08:48

Tgt Ion:228 Resp: 2775373

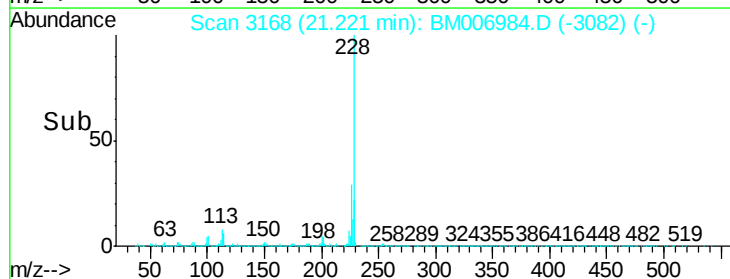
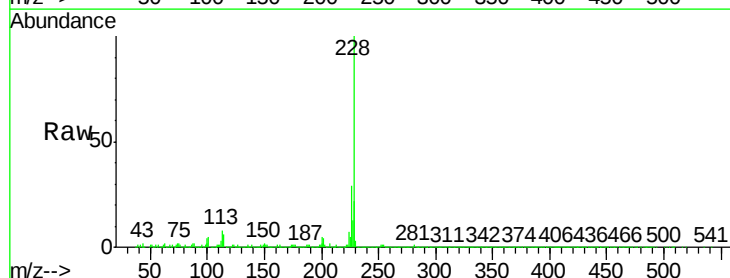
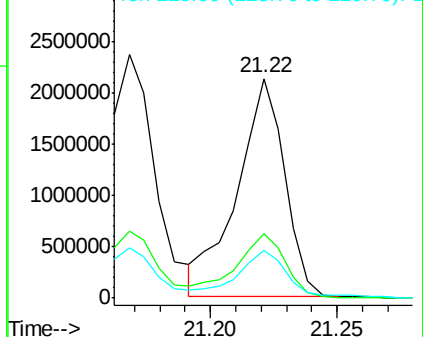
Ion Ratio Lower Upper

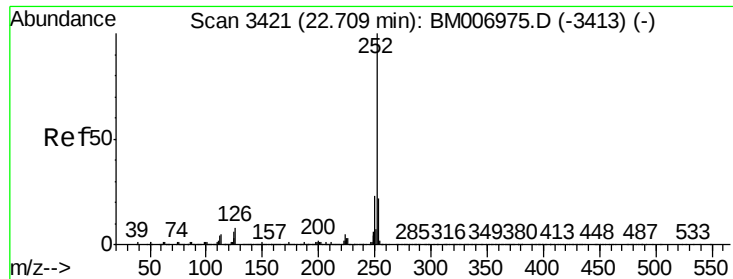
228 100

226 29.5 23.8 35.6

229 21.8 15.1 22.7

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





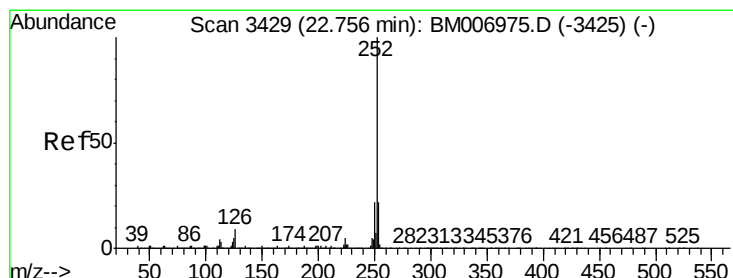
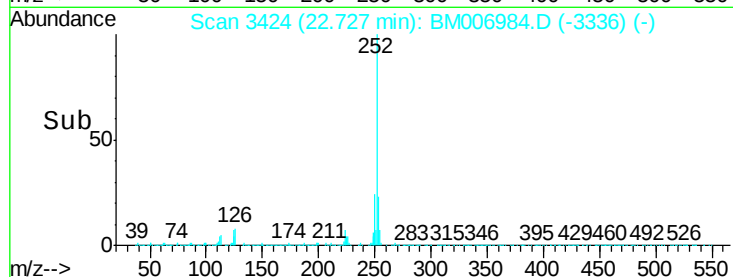
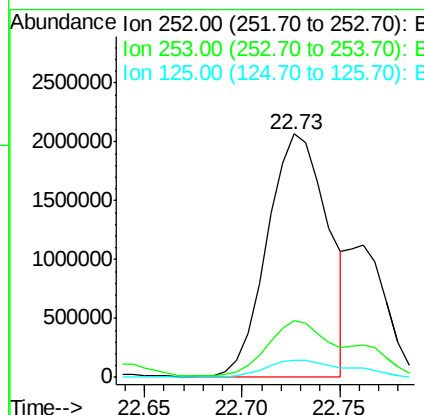
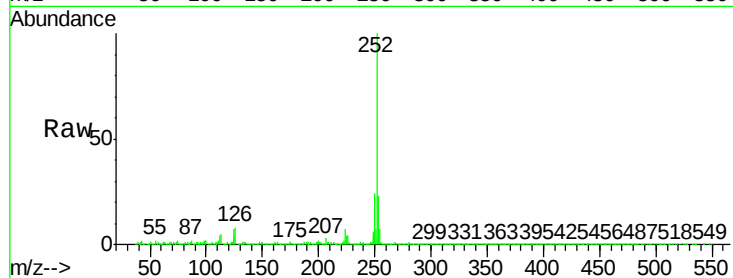
#35
Benzo(b)fluoranthene
Concen: 61.73 ng/ul
RT: 22.73 min Scan# 3424
Delta R.T. 0.02 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Instrument :
BNA_M
ClientSampleId :
DA0H0

Tgt Ion:252 Resp: 4432723
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 7.0 5.1 7.7

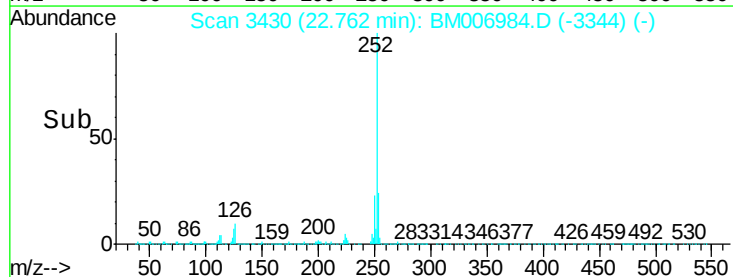
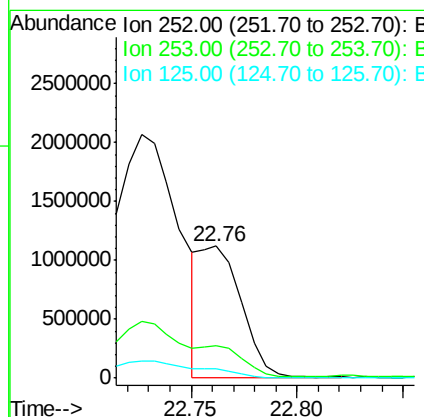
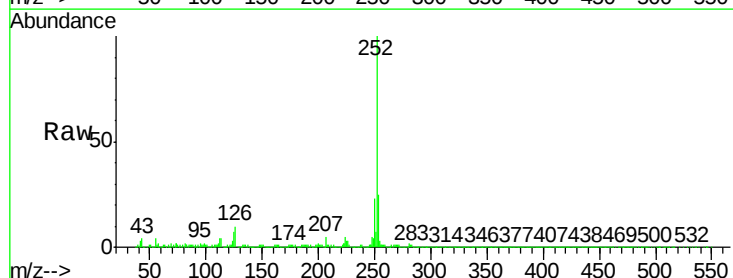
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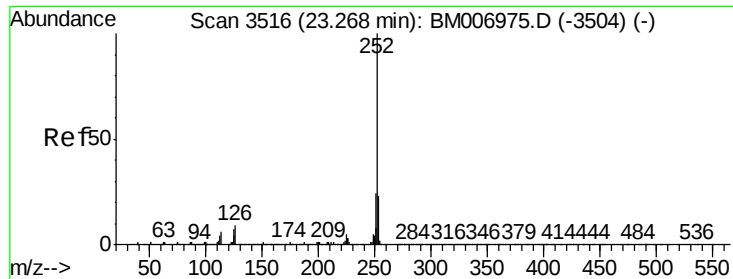
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#36
Benzo(k)fluoranthene
Concen: 22.03 ng/ul m
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Tgt Ion:252 Resp: 1527456
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 6.9 5.1 7.7





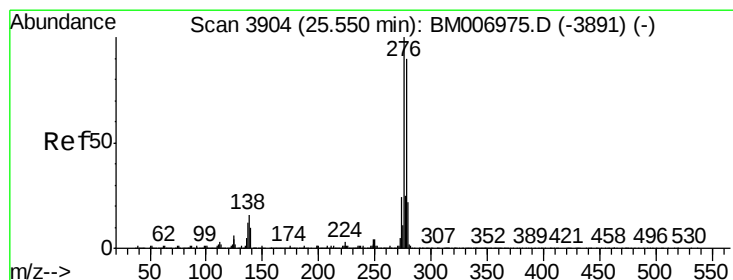
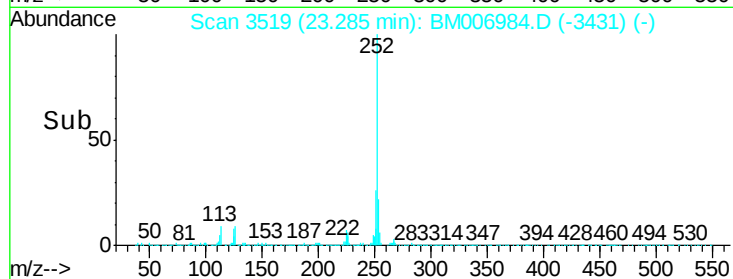
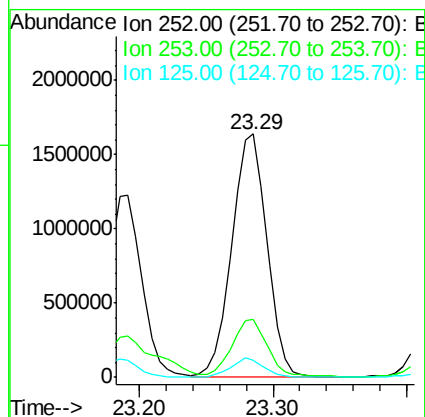
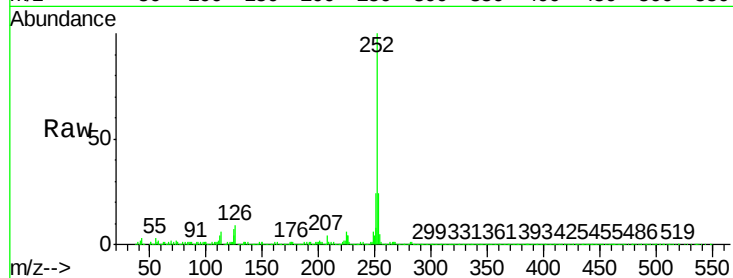
#38
Benzo(a)pyrene
Concen: 45.70 ng/ul
RT: 23.29 min Scan# 3519
Delta R.T. 0.02 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Instrument :
BNA_M
ClientSampleId :
DA0H0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	7.1	5.6	8.4

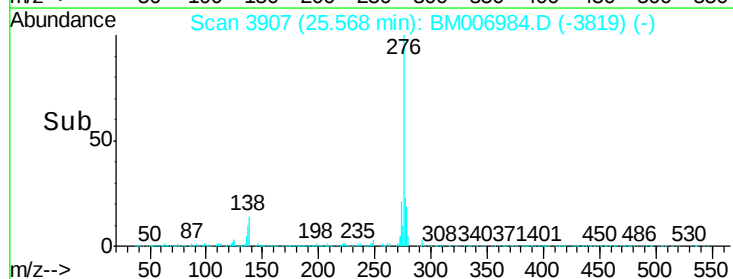
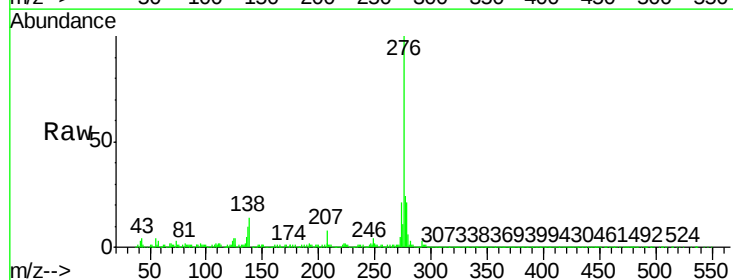
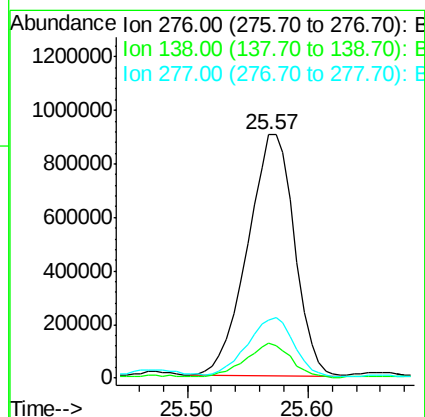
Manual Integrations
APPROVED

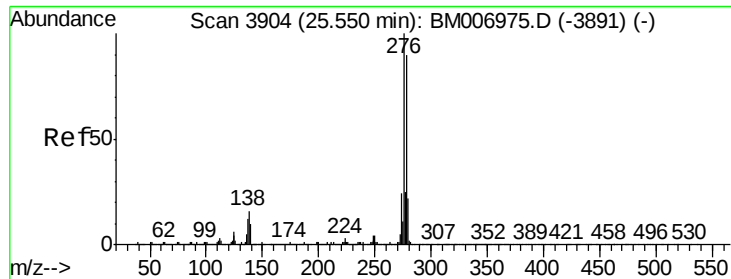
sohil
8/8/2016 7:09:13 PM



#39
Indeno(1,2,3-cd)pyrene
Concen: 36.97 ng/ul
RT: 25.57 min Scan# 3907
Delta R.T. 0.02 min
Lab File: BM006984.D
Acq: 08 Aug 2016 08:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.6	19.0
277	24.0	20.3	30.5





#40

Dibenzo(a,h)anthracene

Concen: 10.98 ng/ul

RT: 25.57 min Scan# 3907

Delta R.T. 0.02 min

Lab File: BM006984.D

Acq: 08 Aug 2016 08:48

Instrument :

BNA_M

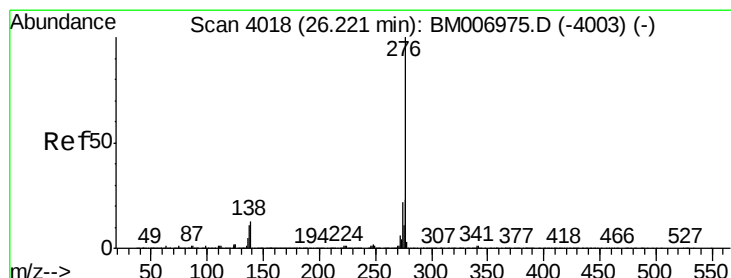
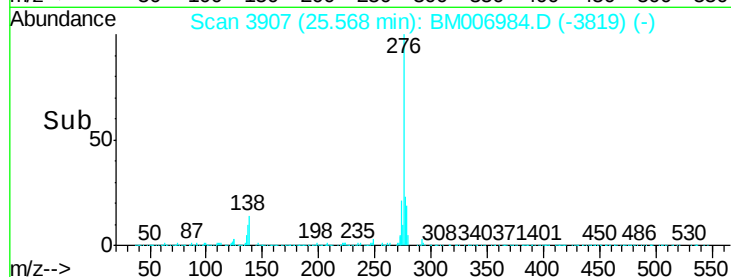
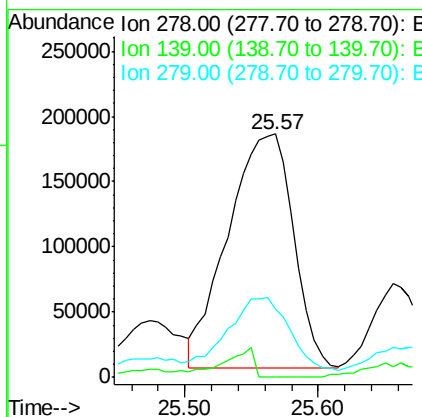
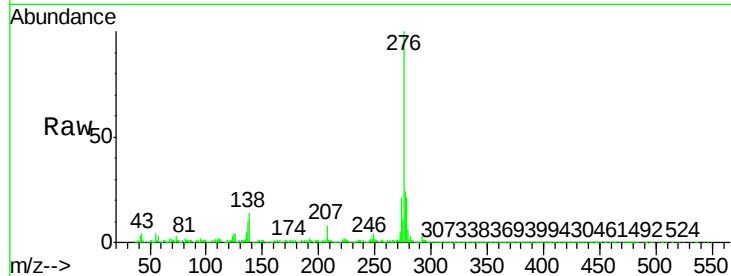
ClientSampled :

DA0H0

Tgt Ion:	278	Resp:	610521
Ion Ratio	Lower	Upper	
278	100		
139	0.0	7.5	11.3#
279	27.9	19.0	28.4

Manual Integrations
APPROVED

sohil
8/8/2016 7:09:13 PM



#41

Benzo(g,h,i)perylene

Concen: 44.89 ng/ul

RT: 26.24 min Scan# 4022

Delta R.T. 0.02 min

Lab File: BM006984.D

Acq: 08 Aug 2016 08:48

Tgt Ion:	276	Resp:	2335270
Ion Ratio	Lower	Upper	
276	100		
138	13.2	10.9	16.3
277	25.0	18.6	27.8

