

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006603.D
 Acq On : 22 Jul 2016 01:16
 Operator : UM/SJ
 Sample : H4078-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT7

Manual Integrations

umangi
 7/22/2016 6:24:38 PM

Quant Time: Jul 22 03:39:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	150059	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	624163	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	347309	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	790363m	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	936334	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	996338	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	5948m	1.60	ng/uL	0.00
3) Phenol-d5	6.79	99	186379	14.60	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	137951	17.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	165625	16.24	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	105710	10.68	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	80338	17.00	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	84524	16.82	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	152420	16.05	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	170471	16.30	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	468077	17.19	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	605675	17.43	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	47098	9.96	ng/ul	0.00
21) Fluorene-d10	15.26	176	425203	17.46	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	43451	10.59	ng/ul	0.00
26) Anthracene-d10	17.11	188	659236	17.57	ng/ul	0.00
30) Pyrene-d10	19.42	212	772035	18.10	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	840264	18.33	ng/ul	0.00

Target Compounds

						Ovalue
25) Phenanthrene	17.06	178	156452m	3.52	ng/ul	
28) Fluoranthene	19.08	202	405663m	7.77	ng/ul	
31) Pyrene	19.44	202	339418m	5.99	ng/ul	
32) Benzo(a)anthracene	21.20	228	185599	3.27	ng/ul	97
33) Chrysene	21.25	228	230875	4.41	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	358368	6.00	ng/ul	99
36) Benzo(k)fluoranthene	22.79	252	104809m	1.81	ng/ul	
38) Benzo(a)pyrene	23.32	252	219170	3.77	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.60	276	168993	2.51	ng/ul	98
41) Benzo(g,h,i)perylene	26.28	276	163677	2.84	ng/ul	98

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

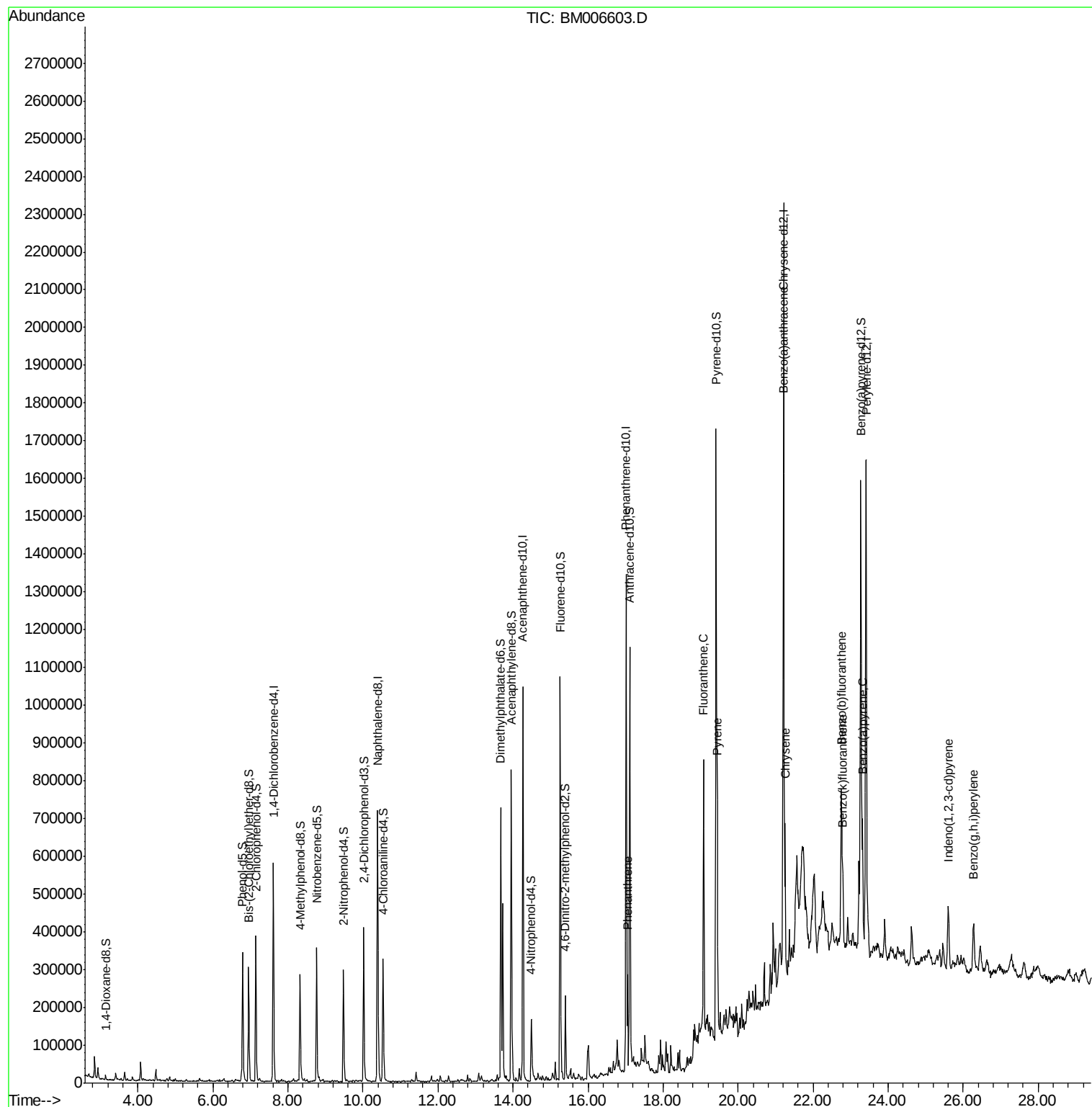
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006603.D
Acq On : 22 Jul 2016 01:16
Operator : UM/SJ
Sample : H4078-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

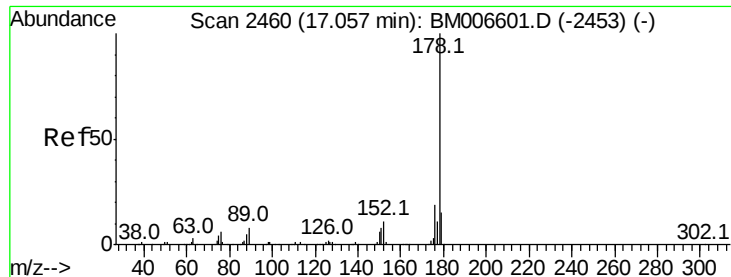
Instrument :
BNA_M
ClientSampleId :
D9YT7

Manual Integrations

umangi
7/22/2016 6:24:38 PM

Quant Time: Jul 22 03:39:34 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.52 ng/ul m

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006603.D

Acq: 22 Jul 2016 01:16

Instrument :

BNA_M

ClientSampled :

D9YT7

Tot Ion:178 Resp: 156452

Ion Ratio Lower Upper

178 100

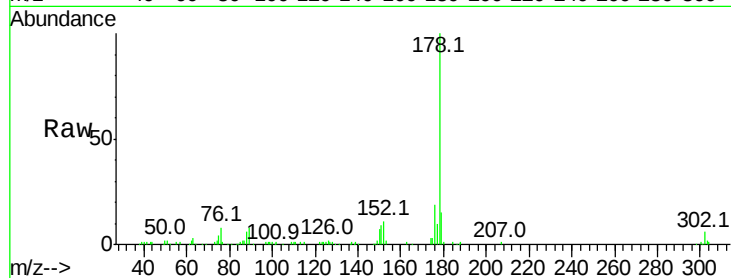
179 15.1 11.8 17.8

176 18.5 14.8 22.2

Manual Integrations

umangi

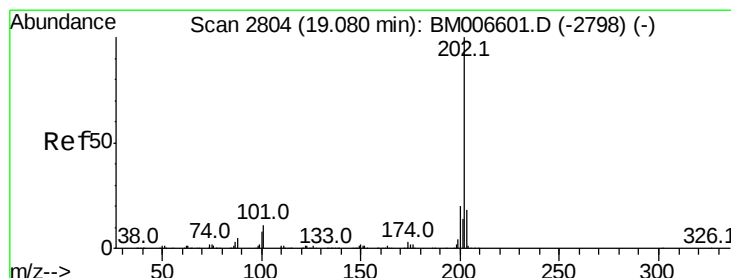
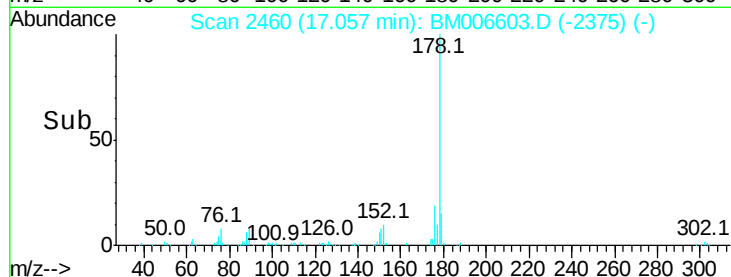
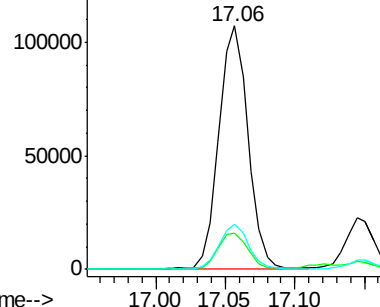
7/22/2016 6:24:38 PM



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: 7.77 ng/ul m

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006603.D

Acq: 22 Jul 2016 01:16

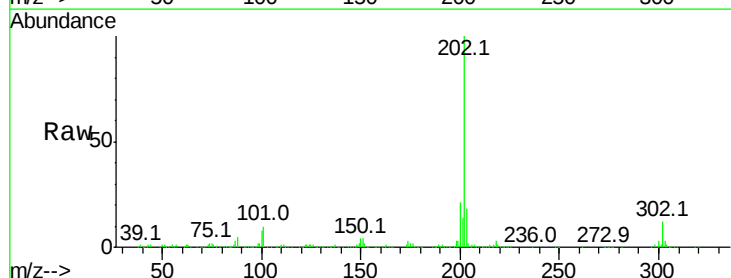
Tgt Ion:202 Resp: 405663

Ion Ratio Lower Upper

202 100

101 10.4 8.9 13.3

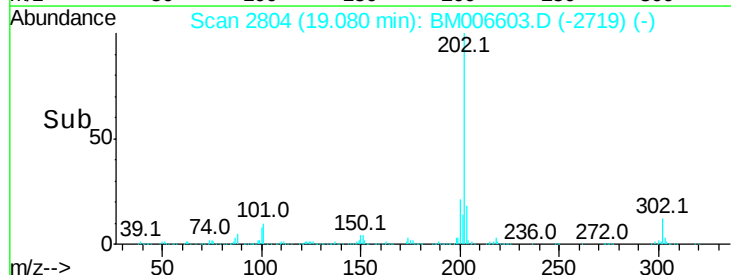
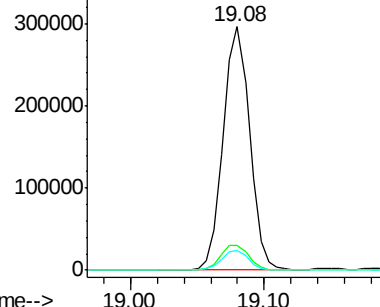
100 7.8 7.0 10.4

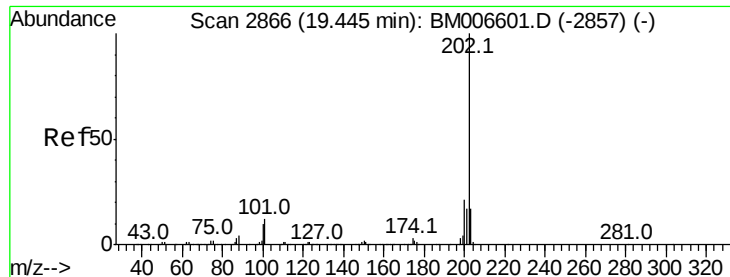


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





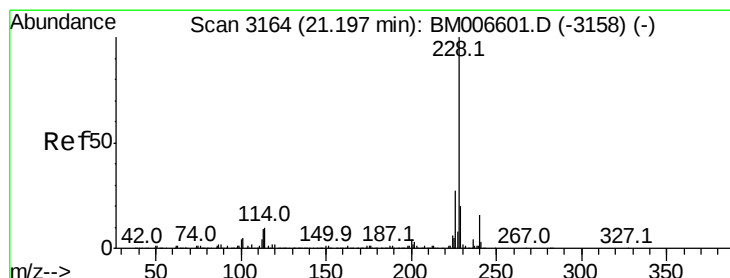
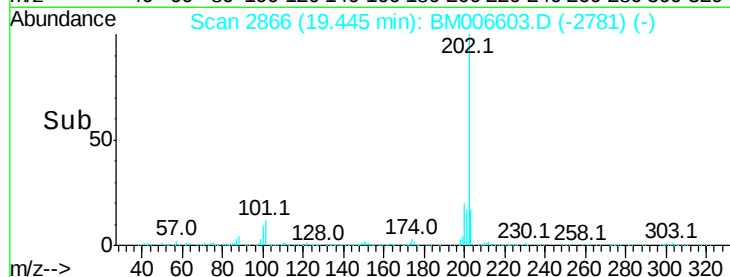
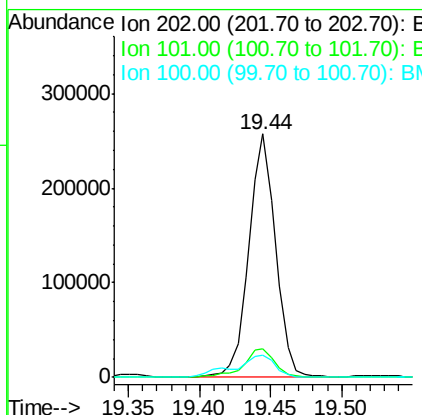
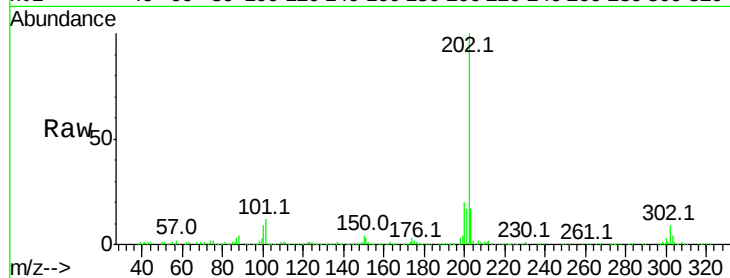
#31
Pvrene
Concen: 5.99 ng/ul m
RT: 19.44 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BM006603.D
Acq: 22 Jul 2016 01:16

Instrument :
BNA_M
ClientSampleId :
D9YT7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	339418		
101	11.6		9.8	14.8
100	9.0		9.3	13.9

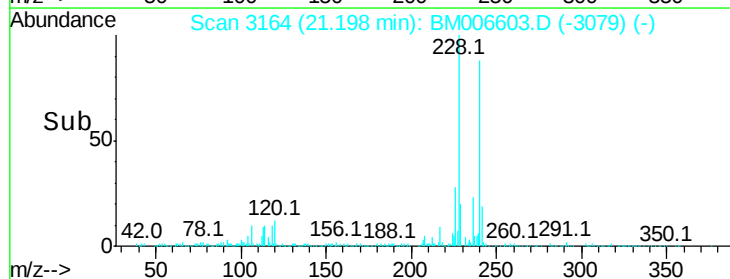
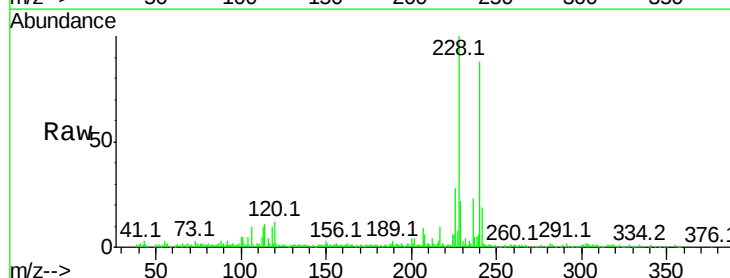
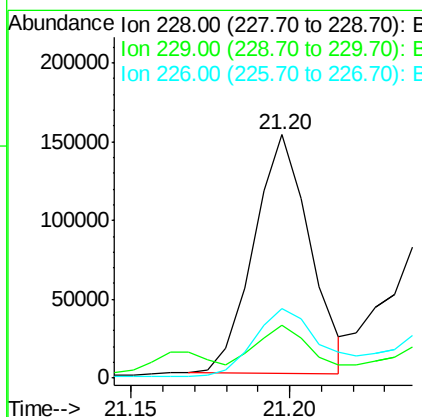
Manual Integrations

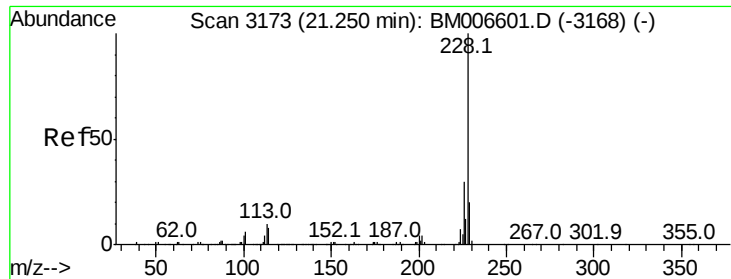
umangi
7/22/2016 6:24:38 PM



#32
Benzo(a)anthracene
Concen: 3.27 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006603.D
Acq: 22 Jul 2016 01:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	185599		
229	21.9		16.6	25.0
226	28.4		21.0	31.4





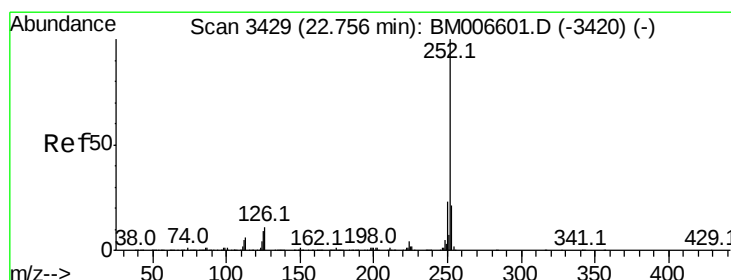
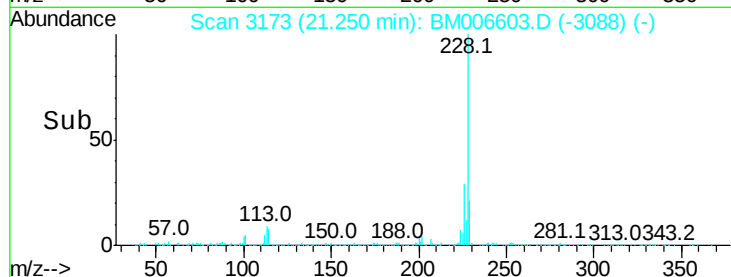
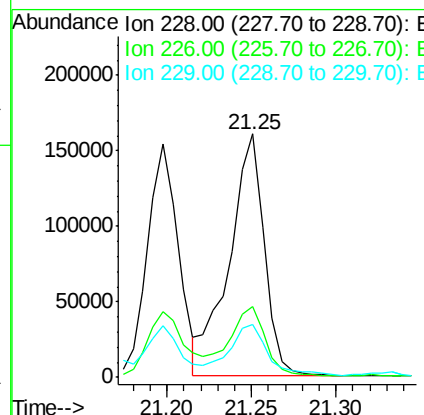
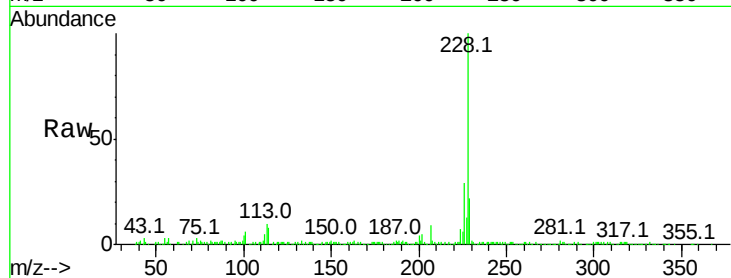
#33
 Chrysene
 Concen: 4.41 ng/ul
 RT: 21.25 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: BM006603.D
 Acq: 22 Jul 2016 01:16

Instrument :
 BNA_M
 ClientSampleId :
 D9YT7

Tot Ion:	228	Resp:	230875
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.4	35.2
229	21.7	16.2	24.2

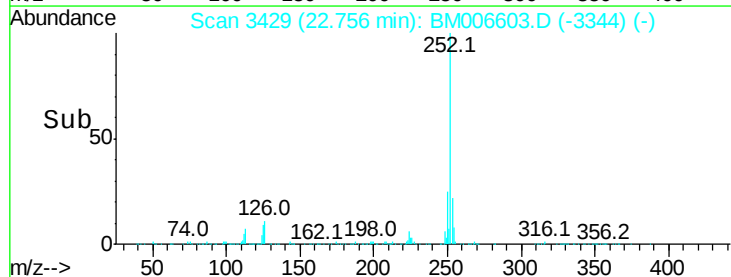
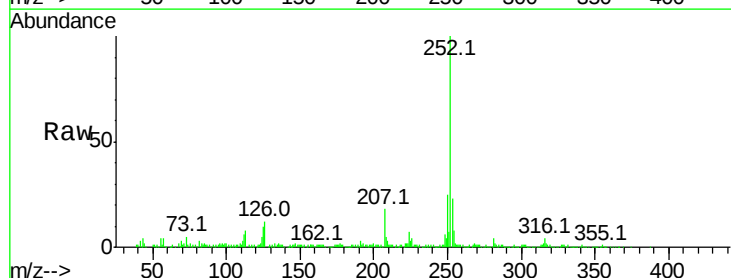
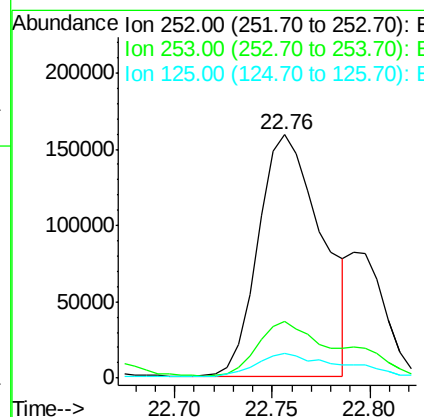
Manual Integrations

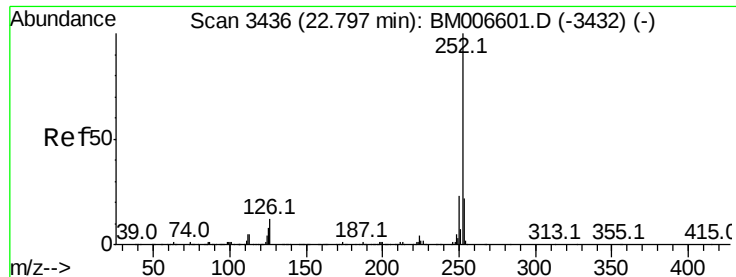
umangi
 7/22/2016 6:24:38 PM



#35
 Benzo(b)fluoranthene
 Concen: 6.00 ng/ul
 RT: 22.76 min Scan# 3429
 Delta R.T. 0.00 min
 Lab File: BM006603.D
 Acq: 22 Jul 2016 01:16

Tgt Ion:	252	Resp:	358368
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	10.3	7.6	11.4





#36

Benzo(k)fluoranthene

Concen: 1.81 ng/ul m

RT: 22.79 min Scan# 3435

Delta R.T. -0.01 min

Lab File: BM006603.D

Acq: 22 Jul 2016 01:16

Instrument :

BNA_M

ClientSampleId :

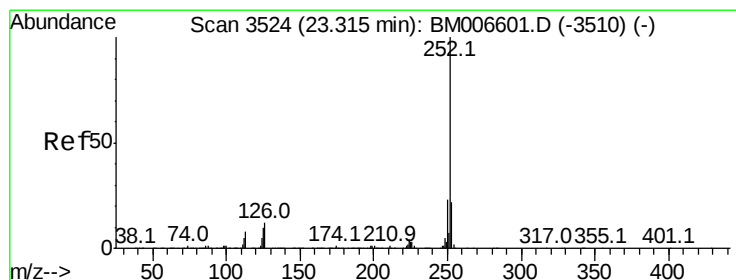
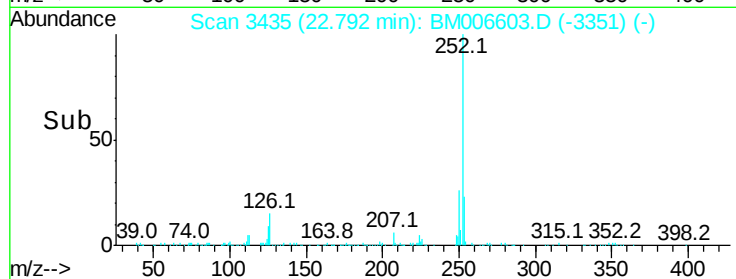
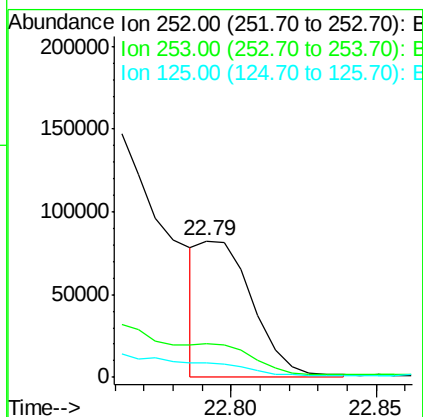
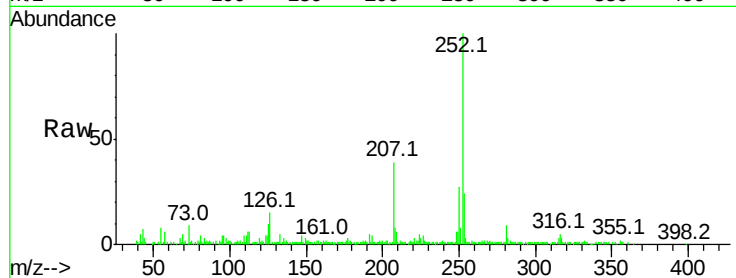
D9YT7

Tot Ion:	252	Resp:	104809
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.8
125	10.5	7.7	11.5

Manual Integrations

umangi

7/22/2016 6:24:38 PM



#38

Benzo(a)pyrene

Concen: 3.77 ng/ul

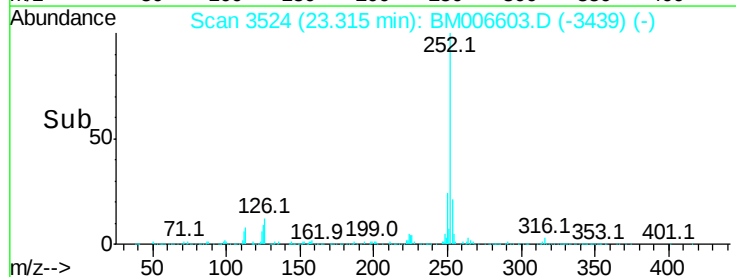
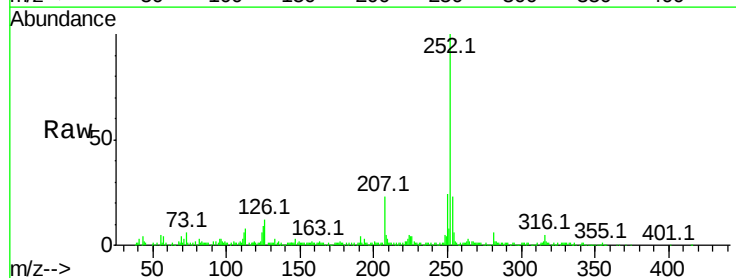
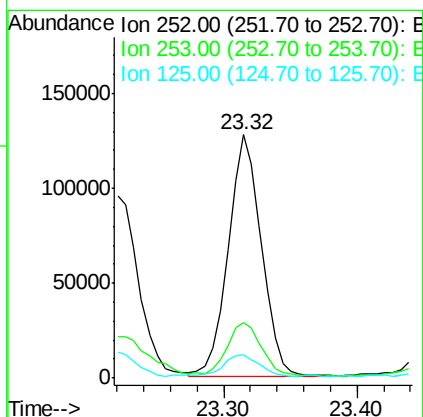
RT: 23.32 min Scan# 3524

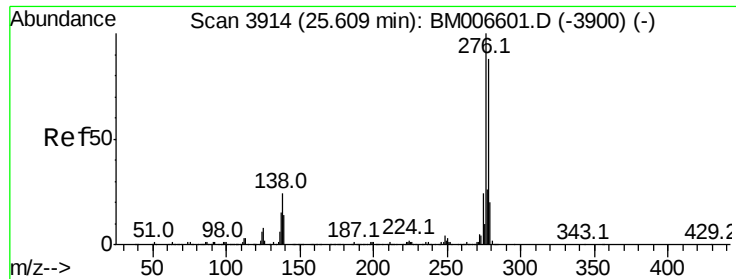
Delta R.T. 0.00 min

Lab File: BM006603.D

Acq: 22 Jul 2016 01:16

Tgt Ion:	252	Resp:	219170
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	9.4	8.2	12.2





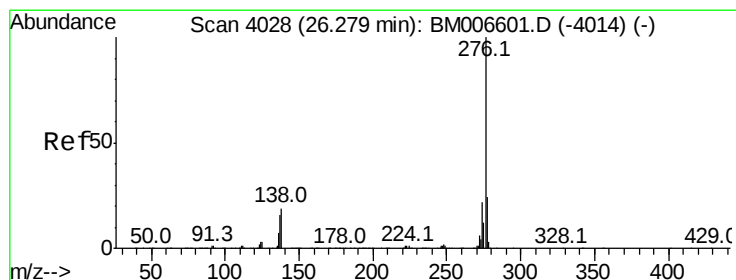
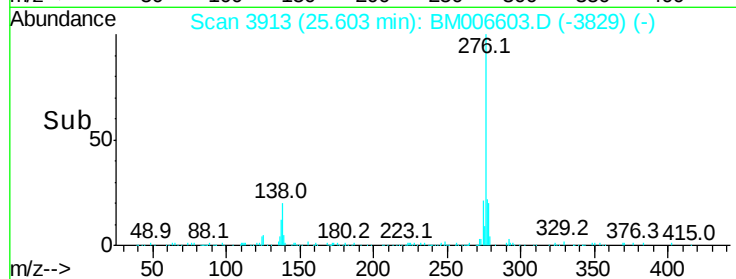
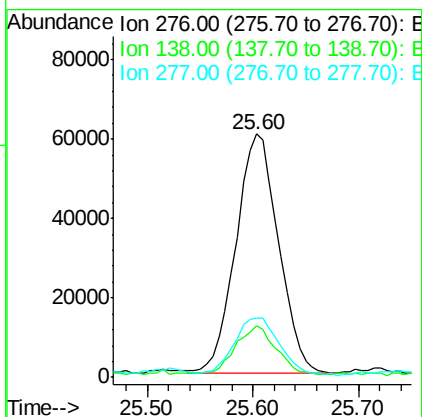
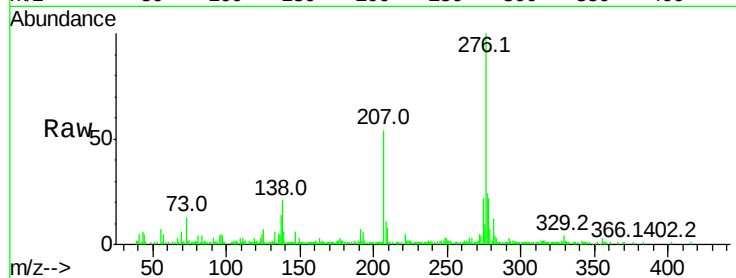
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 2.51 ng/ul
 RT: 25.60 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM006603.D
 Acq: 22 Jul 2016 01:16

Instrument :
 BNA_M
 ClientSampleId :
 D9YT7

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	15.8	23.6
277	24.1	19.0	28.6

Manual Integrations

umangi
 7/22/2016 6:24:38 PM



#41
 Benzo(g,h,i)perylene
 Concen: 2.84 ng/ul
 RT: 26.28 min Scan# 4028
 Delta R.T. 0.00 min
 Lab File: BM006603.D
 Acq: 22 Jul 2016 01:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	13.9	20.9
277	23.8	19.8	29.6

