

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005767.D
 Acq On : 13 Jun 2016 02:16
 Operator : UM/SJ
 Sample : H3536-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y30

Manual Integrations
 APPROVED

umangi
 6/13/2016 7:49:19 PM

Quant Time: Jun 13 04:20:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	108754	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	538678	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	296976	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	522294	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	413601	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	425725	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	2752	1.10	ng/uL	0.00
3) Phenol-d5	6.93	99	121832	12.98	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	90867	16.11	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	116635	15.37	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	83683	10.55	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	62248	16.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	68545	15.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	123475	15.51	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	87558	9.11	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	414800	16.93	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	530224	17.69	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	26087m	7.28	ng/ul	0.00
21) Fluorene-d10	15.39	176	346611	16.71	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	7386	2.73	ng/ul	0.00
26) Anthracene-d10	17.23	188	432297	17.57	ng/ul	0.00
30) Pyrene-d10	19.53	212	382407	19.24	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	363165	18.70	ng/ul	-0.01

Target Compounds

						Qvalue
25) Phenanthrene	17.18	178	72996	2.55	ng/ul	99
28) Fluoranthene	19.19	202	98256	2.93	ng/ul	100
31) Pyrene	19.56	202	84821	3.37	ng/ul	98
32) Benzo(a)anthracene	21.30	228	44799	1.88	ng/ul	95
33) Chrysene	21.36	228	57022m	2.42	ng/ul	
35) Benzo(b)fluoranthene	22.90	252	74409	2.94	ng/ul	97
36) Benzo(k)fluoranthene	22.94	252	26054m	1.02	ng/ul	
38) Benzo(a)pyrene	23.48	252	46876	1.95	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	25.86	276	36540	1.56	ng/ul	92
41) Benzo(g,h,i)perylene	26.57	276	34416	1.76	ng/ul	95

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

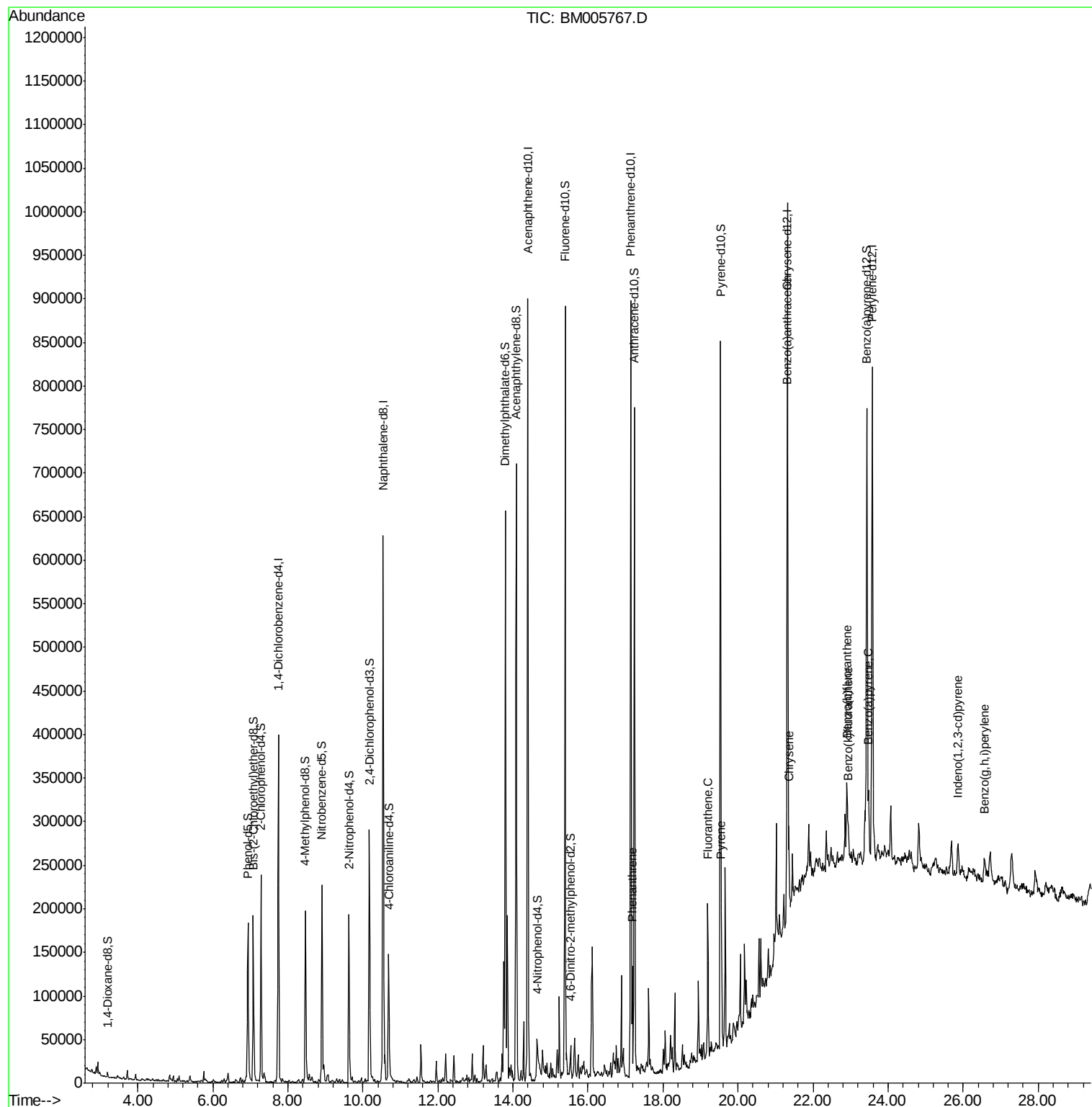
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
Data File : BM005767.D
Acq On : 13 Jun 2016 02:16
Operator : UM/SJ
Sample : H3536-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

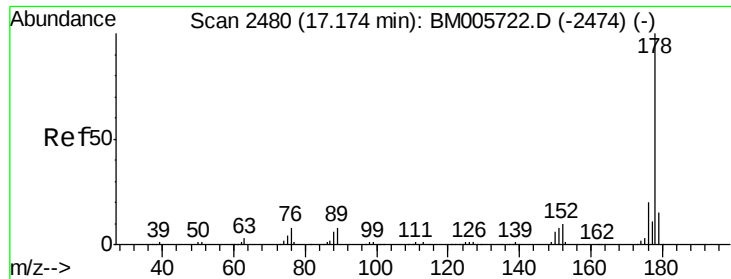
Instrument :
BNA_M
ClientSampleId :
D9Y30

Quant Time: Jun 13 04:20:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 13 03:29:45 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

umangi
6/13/2016 7:49:19 PM





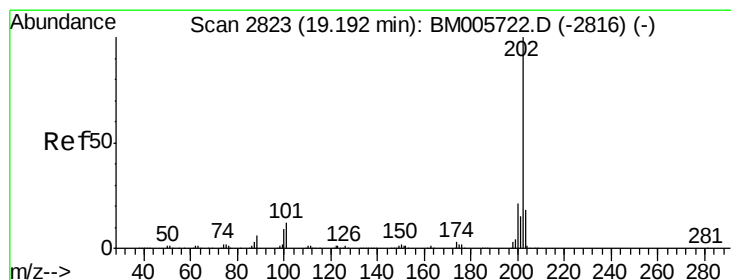
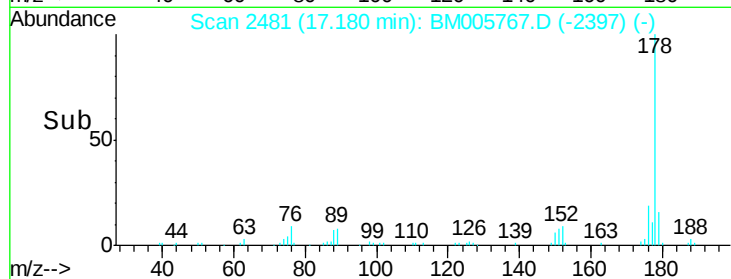
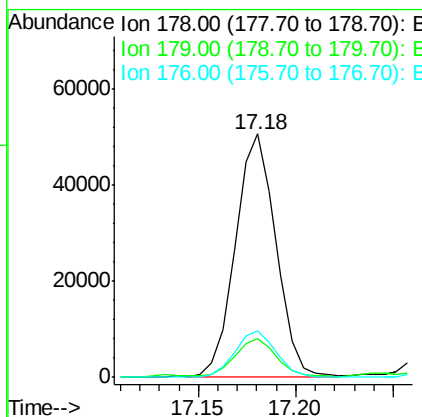
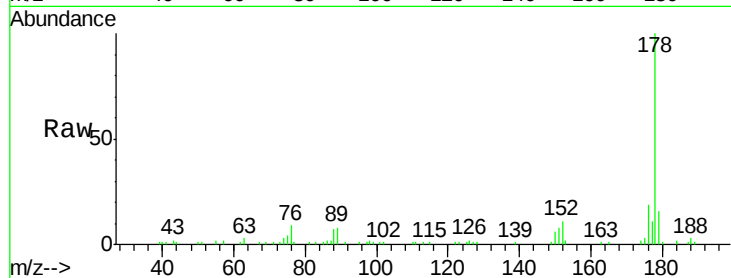
#25
Phenanthrene
Concen: 2.55 ng/ul
RT: 17.18 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Instrument :
BNA_M
ClientSampleId :
D9Y30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.2	15.8	23.6

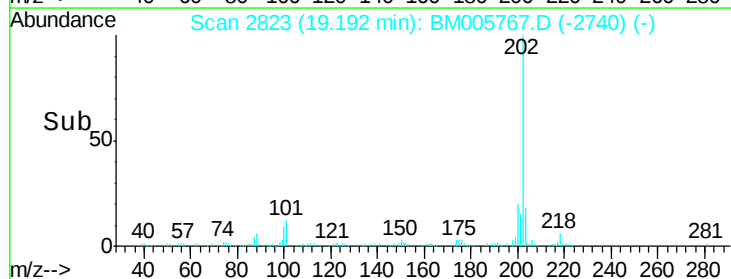
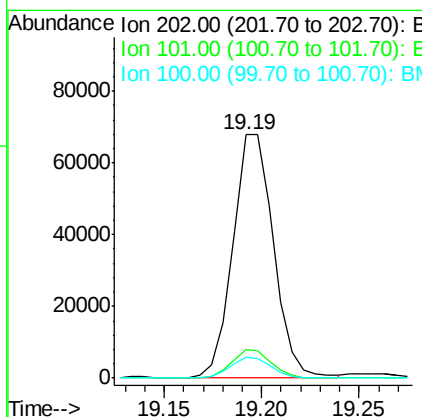
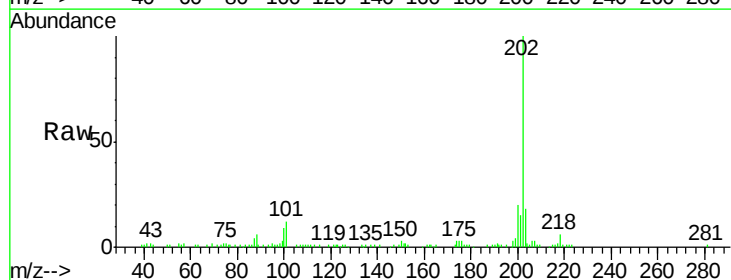
Manual Integrations
APPROVED

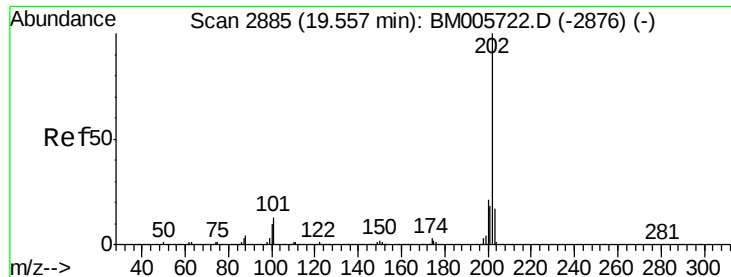
umangi
6/13/2016 7:49:19 PM



#28
Fluoranthene
Concen: 2.93 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.2
100	8.6	6.9	10.3





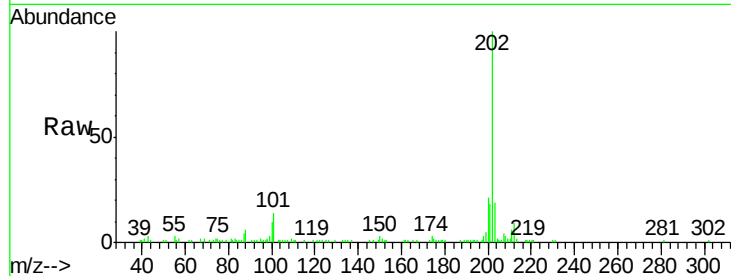
#31
 Pyrene
 Concen: 3.37 ng/ul
 RT: 19.56 min Scan# 2885
 Delta R.T. -0.01 min
 Lab File: BM005767.D
 Acq: 13 Jun 2016 02:16

Instrument :
 BNA_M
 ClientSampleId :
 D9Y30

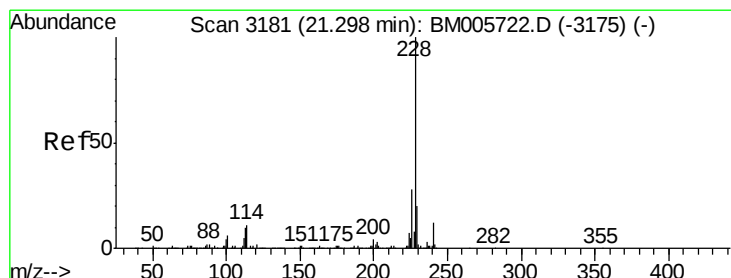
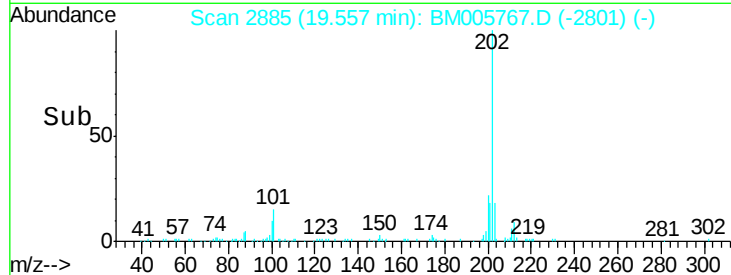
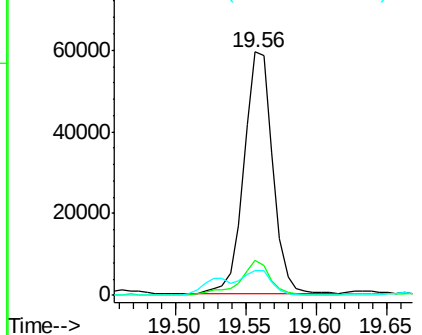
Tgt Ion:	202	Resp:	84821
Ion Ratio	Lower	Upper	
202	100		
101	14.5	10.6	15.8
100	10.0	8.4	12.6

Manual Integrations
 APPROVED

umangi
 6/13/2016 7:49:19 PM



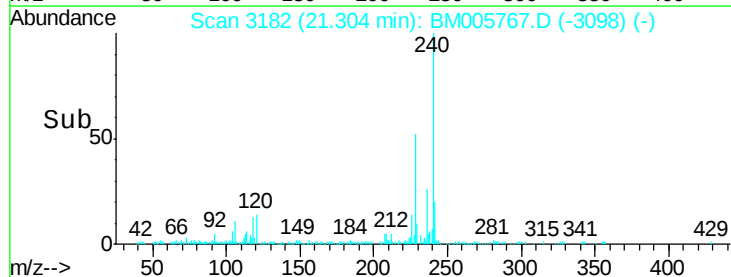
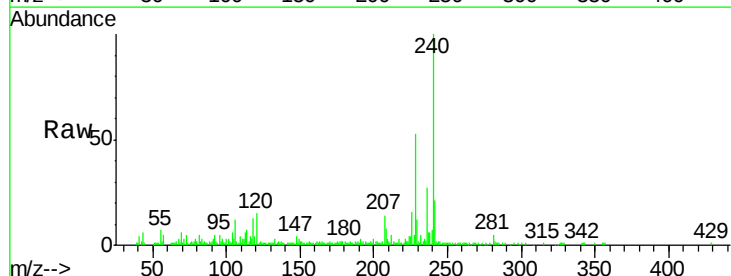
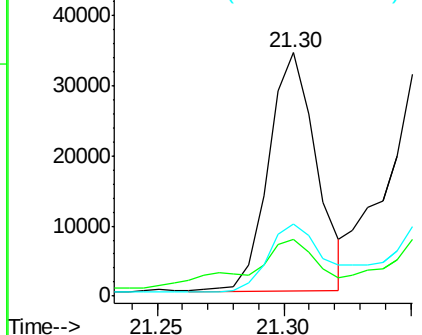
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

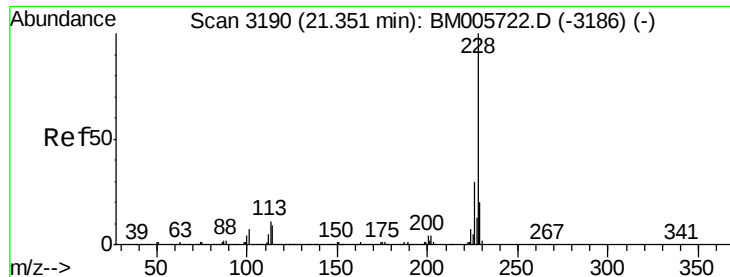


#32
 Benzo(a)anthracene
 Concen: 1.88 ng/ul
 RT: 21.30 min Scan# 3182
 Delta R.T. -0.01 min
 Lab File: BM005767.D
 Acq: 13 Jun 2016 02:16

Tgt Ion:	228	Resp:	44799
Ion Ratio	Lower	Upper	
228	100		
229	23.2	16.1	24.1
226	29.5	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





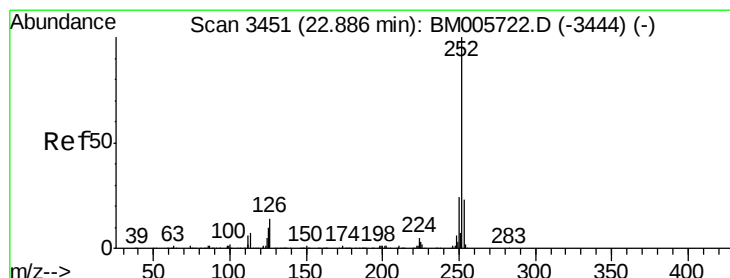
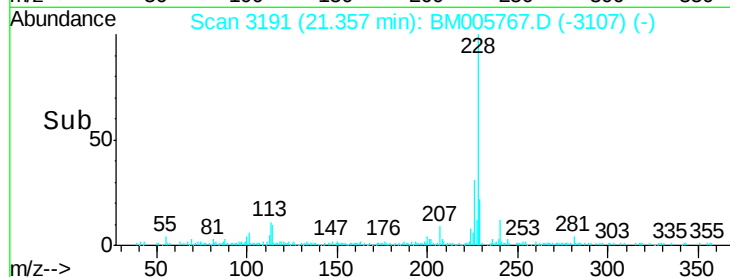
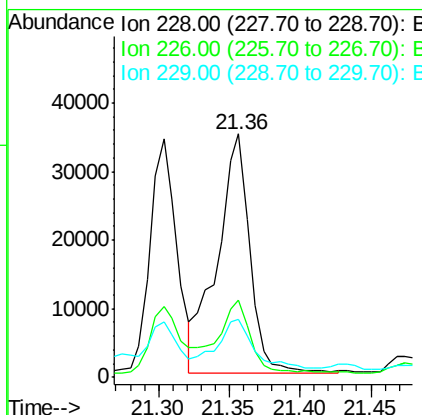
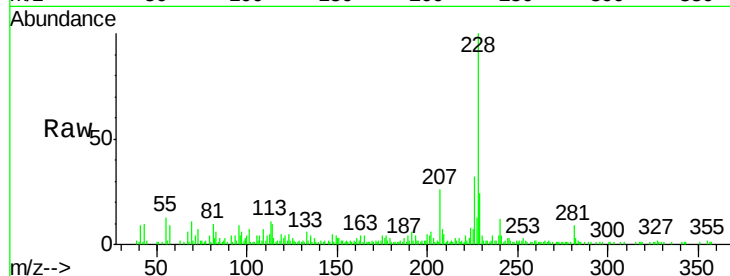
#33
Chrysene
Concen: 2.42 ng/ul m
RT: 21.36 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Instrument :
BNA_M
ClientSampleId :
D9Y30

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.9	24.2	36.2
229	23.8	15.8	23.8#

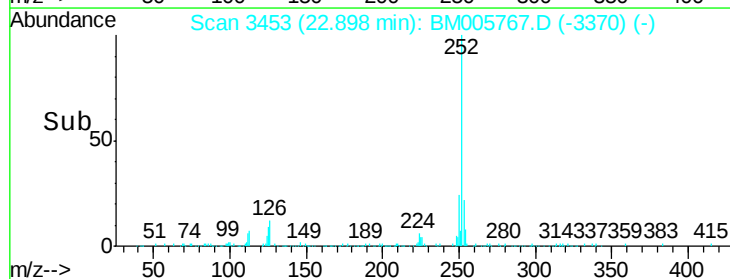
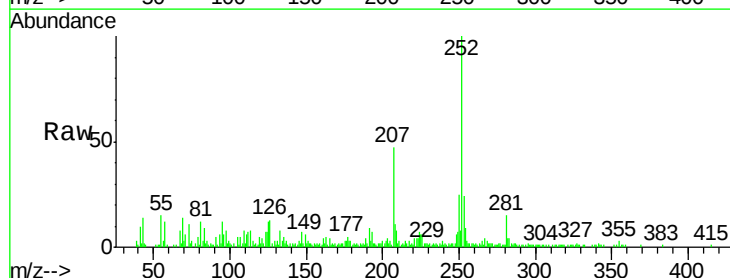
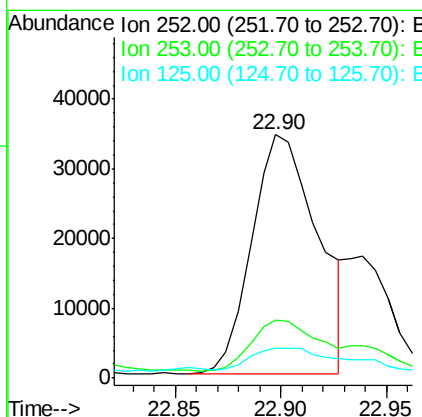
Manual Integrations
APPROVED

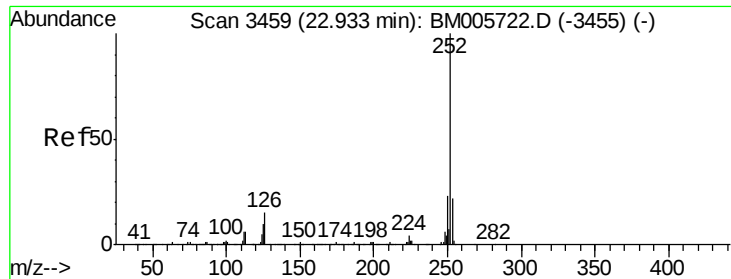
umangi
6/13/2016 7:49:19 PM



#35
Benzo(b)fluoranthene
Concen: 2.94 ng/ul
RT: 22.90 min Scan# 3453
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	18.2	27.2
125	12.3	8.4	12.6





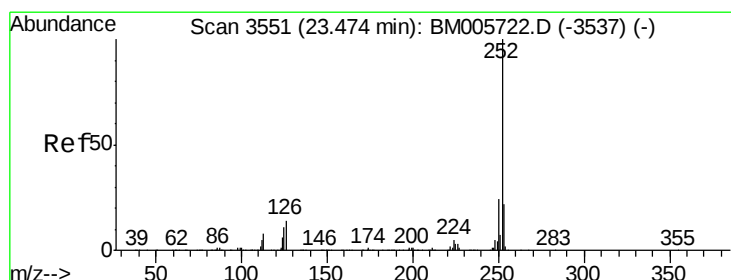
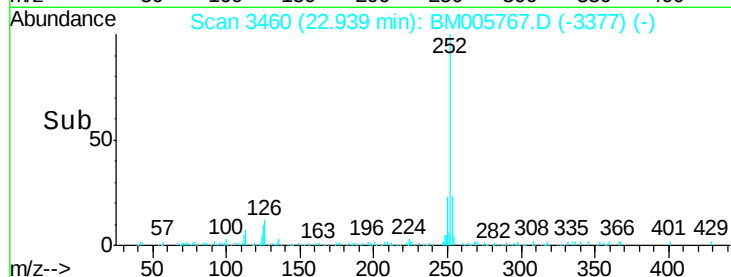
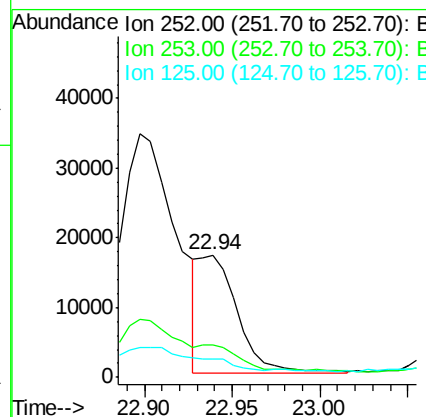
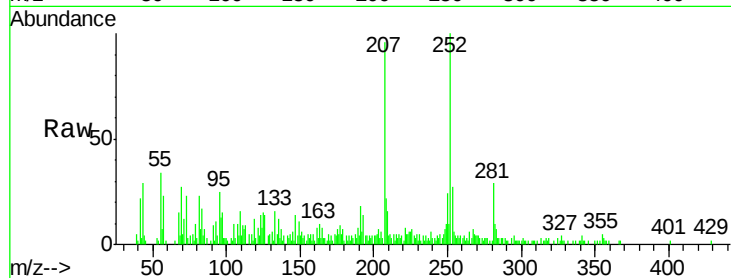
#36
Benzo(k)fluoranthene
Concen: 1.02 ng/ul m
RT: 22.94 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Instrument :
BNA_M
ClientSampled :
D9Y30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	26054		
253	26.8	17.5	26.3#	
125	15.0	8.2	12.2#	

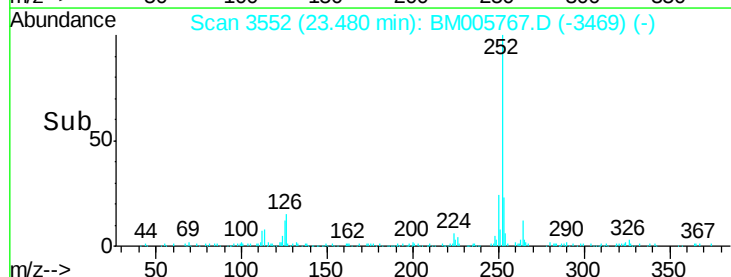
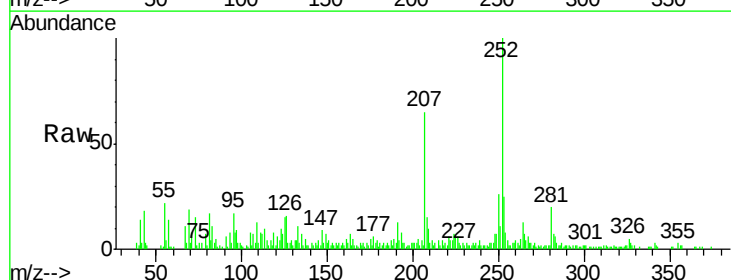
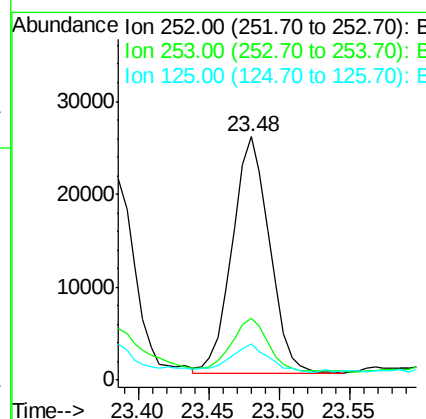
Manual Integrations
APPROVED

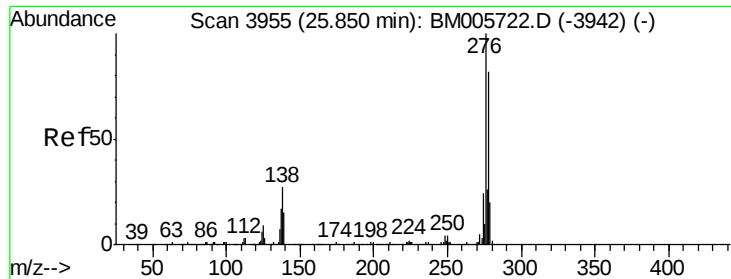
umangi
6/13/2016 7:49:19 PM



#38
Benzo(a)pyrene
Concen: 1.95 ng/ul
RT: 23.48 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	46876		
253	25.3	17.7	26.5	
125	15.1	9.1	13.7#	





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.56 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BM005767.D

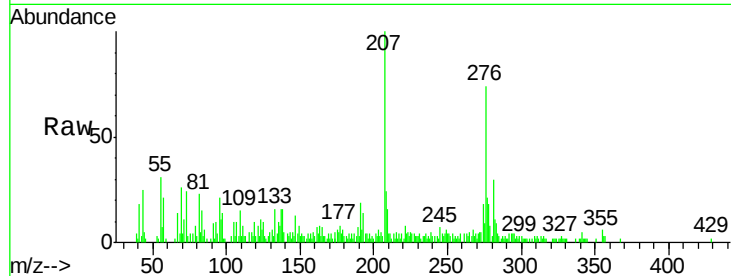
Acq: 13 Jun 2016 02:16

Instrument :

BNA_M

ClientSampleId :

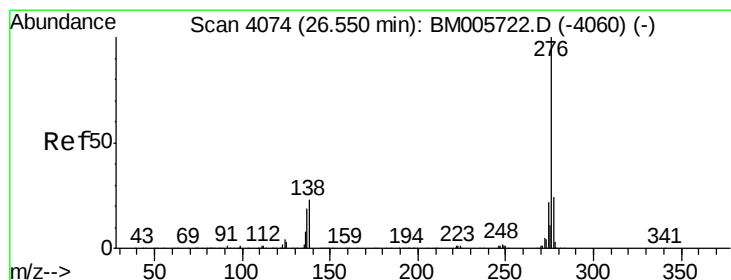
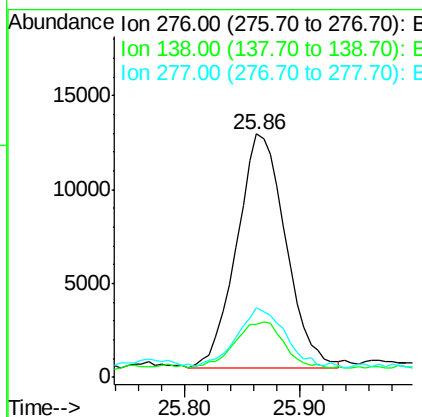
D9Y30



Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	21.4	32.2
277	28.5	20.5	30.7

Manual Integrations
APPROVED

umangi
6/13/2016 7:49:19 PM



#41

Benzo(g,h,i)perylene

Concen: 1.76 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.02 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	18.2	27.4
277	28.2	19.5	29.3

