

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005611.D
 Acq On : 23 May 2016 05:57
 Operator : UM/SJ
 Sample : H3087-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK8

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:36:21 PM

Quant Time: May 23 08:28:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	78949	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	345731	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.47	164	208861	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.21	188	488365	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	447366	20.00	ng/ul	0.03
83) Perylene-d12	23.69	264	404975	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	6878	3.82	ng/uL	0.00
5) Phenol-d5	7.01	99	165583	25.59	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.16	67	93472	24.92	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	135695	25.13	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	130227	24.56	ng/ul	0.03
19) Nitrobenzene-d5	8.99	128	70246	26.57	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	74623	25.65	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	141673	25.85	ng/ul	0.03
29) 4-Chloroaniline-d4	10.76	131	146083	26.62	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	454549	26.66	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	575707	27.01	ng/ul	0.02
51) 4-Nitrophenol-d4	14.69	143	63409	19.66	ng/ul	0.04
57) Fluorene-d10	15.46	176	413060	27.84	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.59	200	15087	5.37	ng/ul	0.03
70) Anthracene-d10	17.31	188	662061	28.46	ng/ul	0.02
76) Pyrene-d10	19.60	212	711136	35.10	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.54	264	535681	28.33	ng/ul	0.04

Target Compounds

					Qvalue
14) Acetophenone	8.65	105	20585	2.58 ng/ul	96
28) Naphthalene	10.67	128	117234	6.75 ng/ul	100
34) 2-Methylnaphthalene	12.29	142	41017	3.23 ng/ul	99
44) Dimethylphthalate	13.92	163	242870	14.42 ng/ul	99
47) Acenaphthylene	14.19	152	26933	1.24 ng/ul	94
49) Acenaphthene	14.53	153	31484	2.20 ng/ul	96
58) Fluorene	15.52	166	64780	3.97 ng/ul	100
69) Phenanthrene	17.26	178	735835	26.96 ng/ul	99
71) Anthracene	17.34	178	155438	5.59 ng/ul	99
72) Carbazole	17.62	167	35258	1.46 ng/ul	95
74) Fluoranthene	19.27	202	693944	22.59 ng/ul	97
77) Pyrene	19.63	202	731375	28.44 ng/ul#	95
80) Benzo(a)anthracene	21.37	228	228036	8.67 ng/ul	92
82) Chrysene	21.43	228	290493	11.61 ng/ul	95
85) Benzo(b)fluoranthene	23.00	252	261630	10.95 ng/ul#	85
86) Benzo(k)fluoranthene	23.03	252	64584m	2.86 ng/ul	
88) Benzo(a)pyrene	23.59	252	178603	7.71 ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	26.01	276	112443	4.09 ng/ul	96
90) Dibenzo(a,h)anthracene	26.02	278	28103	1.23 ng/ul#	39
91) Benzo(g,h,i)perylene	26.73	276	104878	4.53 ng/ul#	89

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

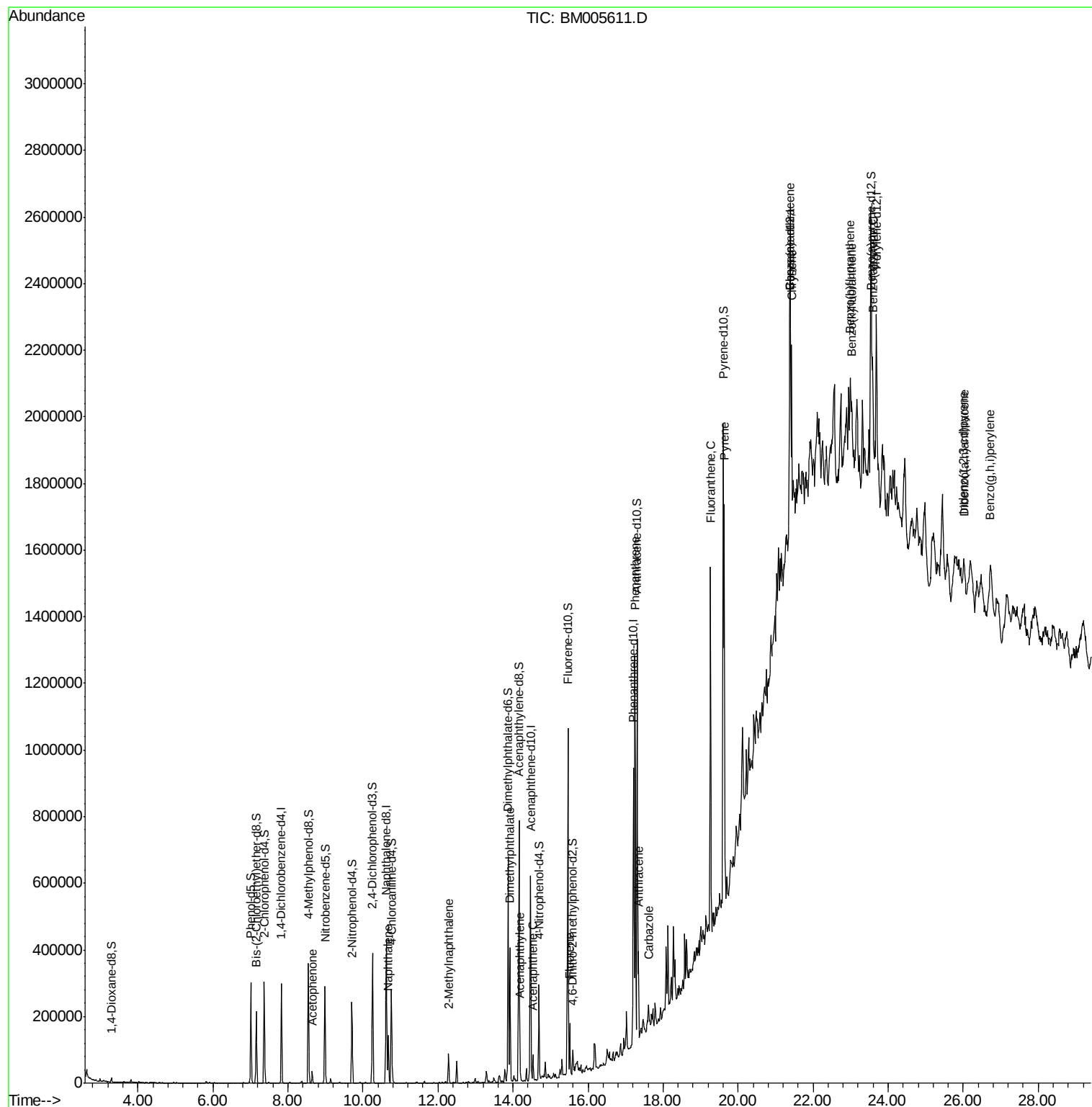
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

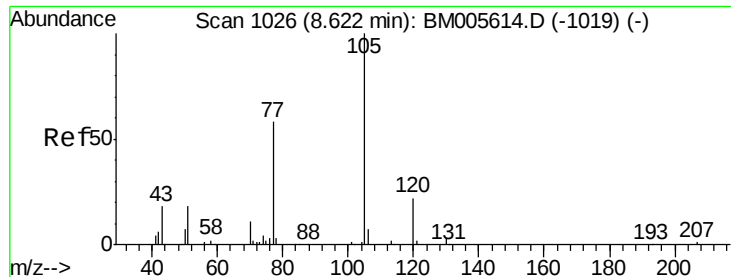
Instrument :
BNA_M
ClientSampleId :
JHGK8

Manual Integrations
APPROVED

umangi
5/23/2016 8:36:21 PM

Quant Time: May 23 08:28:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration





#14

Acetophenone

Concen: 2.58 ng/ul

RT: 8.65 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BM005611.D

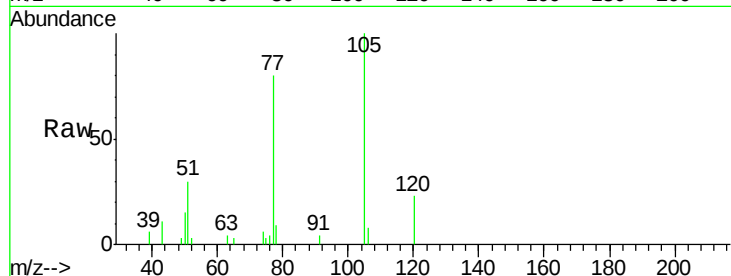
Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

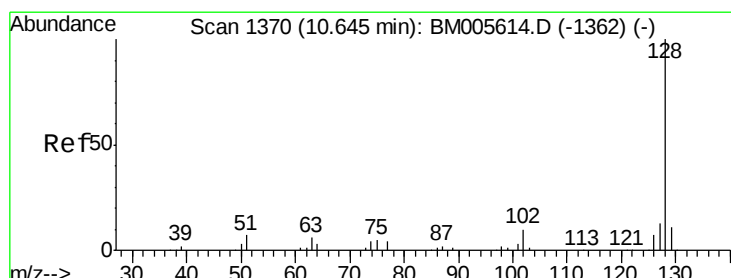
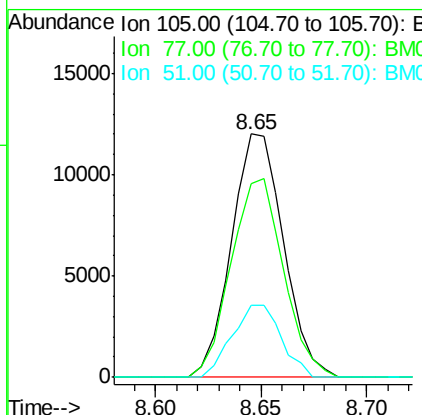
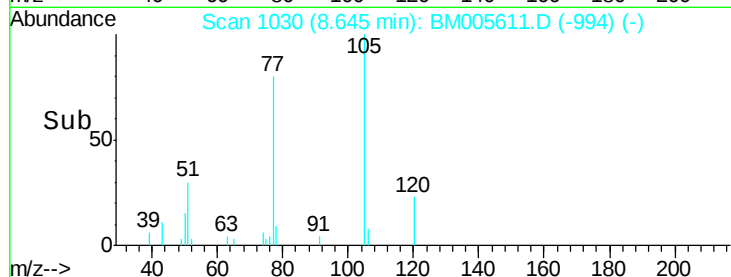
JHGK8



Tgt Ion:	105	Resp:	20585
Ion Ratio	Lower	Upper	
105	100		
77	79.6	60.8	91.2
51	29.6	22.2	33.2

Manual Integrations
APPROVED

umangi
5/23/2016 8:36:21 PM



#28

Naphthalene

Concen: 6.75 ng/ul

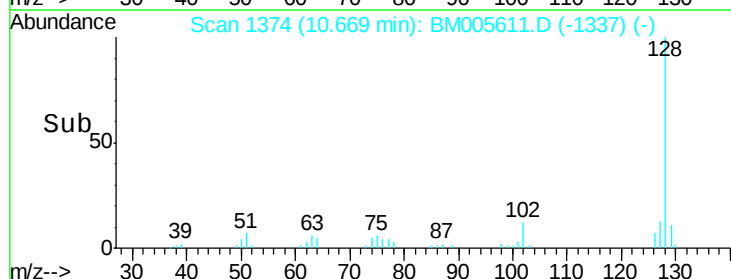
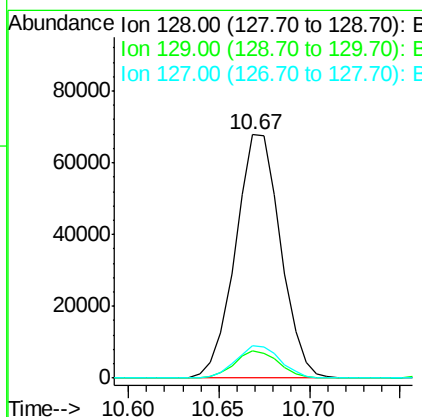
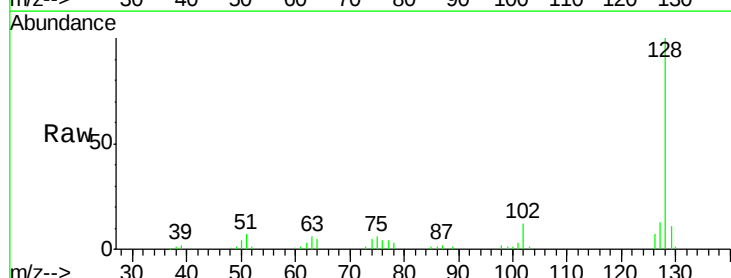
RT: 10.67 min Scan# 1374

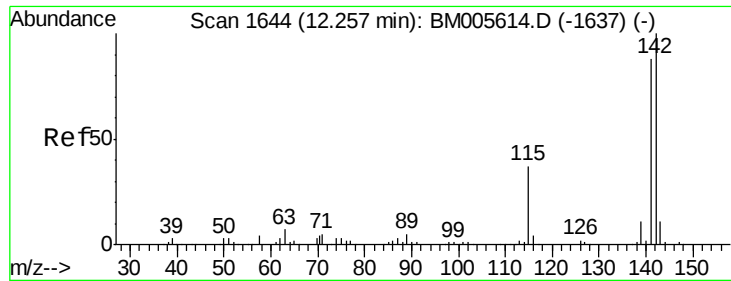
Delta R.T. 0.02 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Tgt Ion:	128	Resp:	117234
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	13.0
127	13.3	10.6	15.8





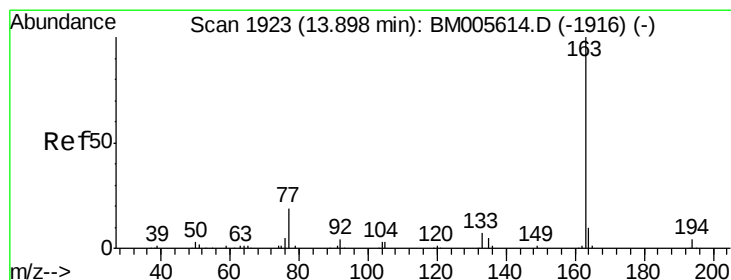
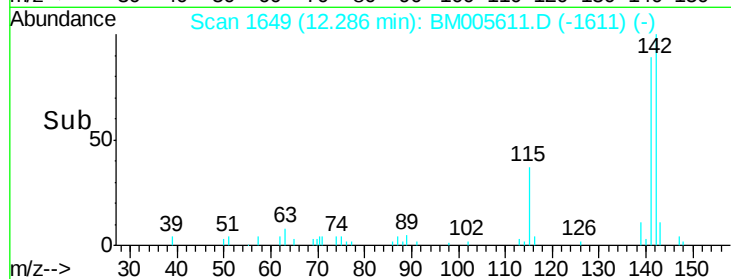
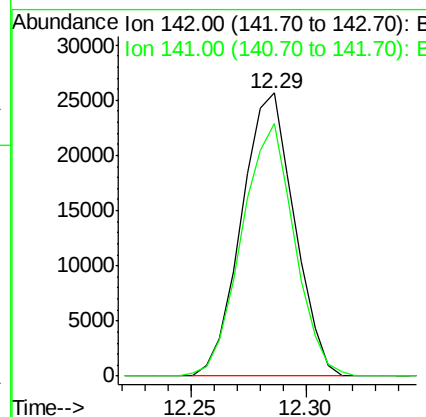
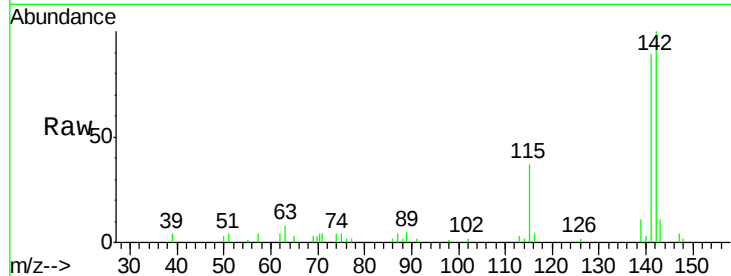
#34
 2-Methylnaphthalene
 Concen: 3.23 ng/ul
 RT: 12.29 min Scan# 1649
 Delta R.T. 0.02 min
 Lab File: BM005611.D
 Acq: 23 May 2016 05:57

Instrument :
 BNA_M
 ClientSampleId :
 JHGK8

Tgt Ion:142 Resp: 41017
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.6 106.0

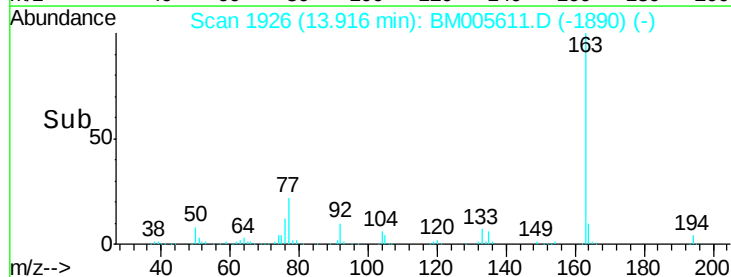
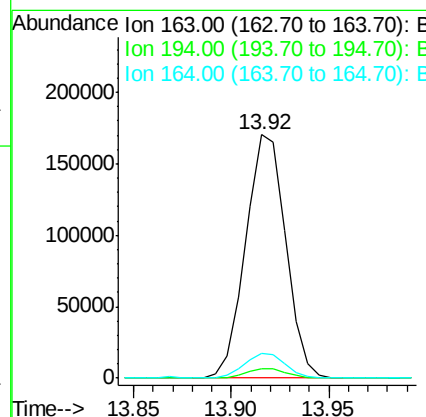
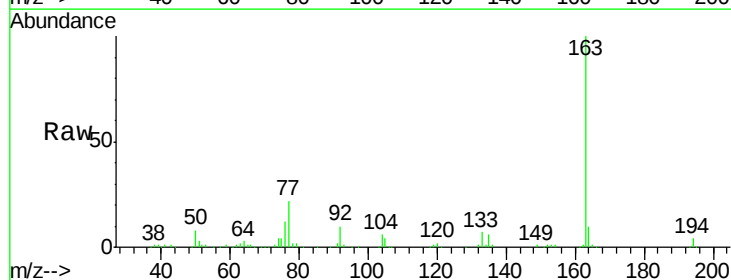
Manual Integrations
 APPROVED

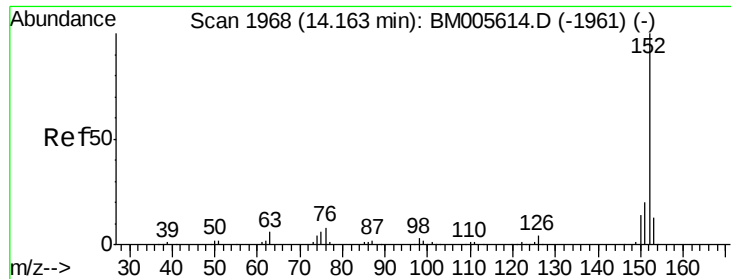
umangi
 5/23/2016 8:36:21 PM



#44
 Dimethylphthalate
 Concen: 14.42 ng/ul
 RT: 13.92 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: BM005611.D
 Acq: 23 May 2016 05:57

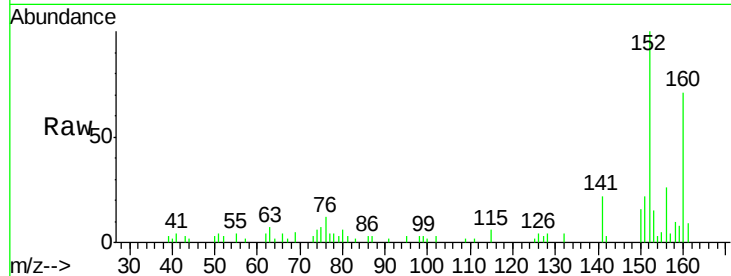
Tgt Ion:163 Resp: 242870
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.4 5.0
 164 10.2 8.0 12.0





#47
Acenaphthylene
Concen: 1.24 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

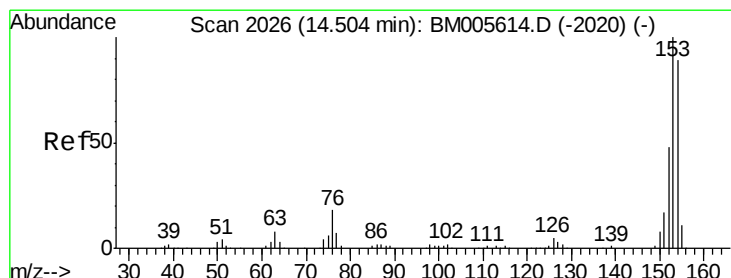
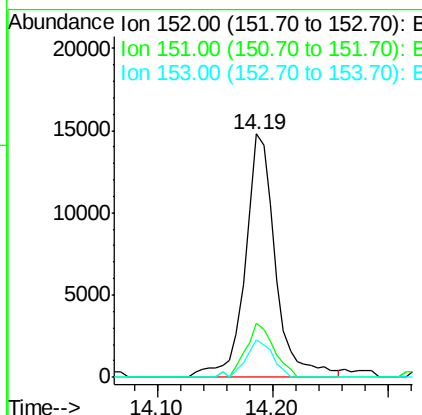
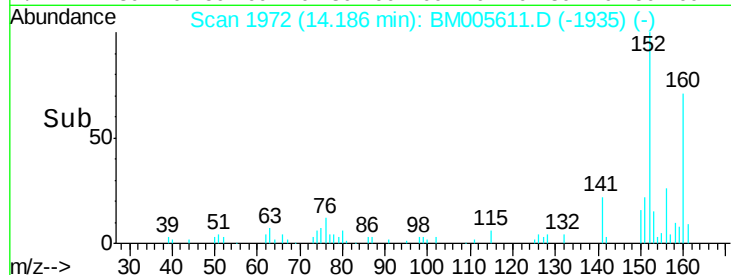
Instrument :
BNA_M
ClientSampleId :
JHGK8



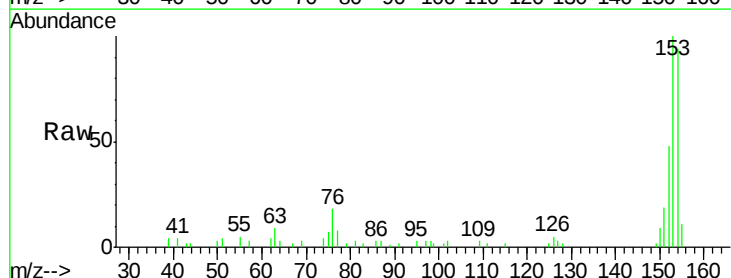
Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.7	23.5
153	15.3	10.5	15.7

Manual Integrations
APPROVED

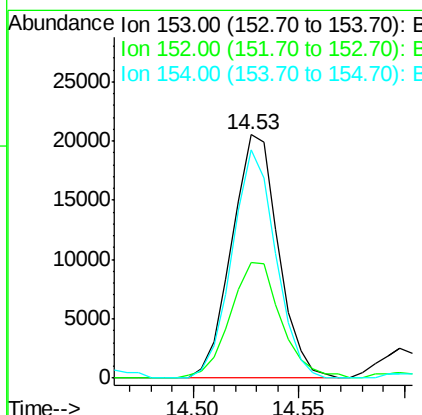
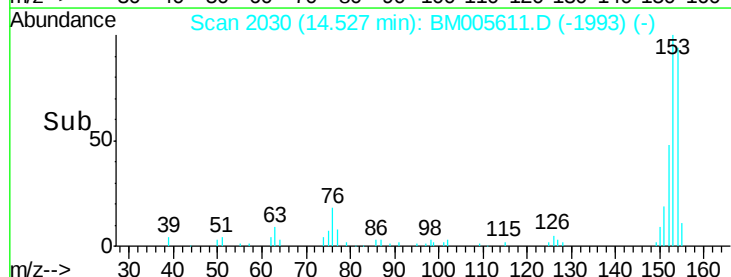
umangi
5/23/2016 8:36:21 PM

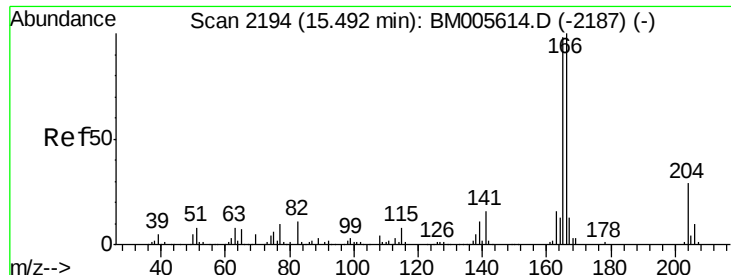


#49
Acenaphthene
Concen: 2.20 ng/ul
RT: 14.53 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57



Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.8	56.6
154	94.0	71.1	106.7





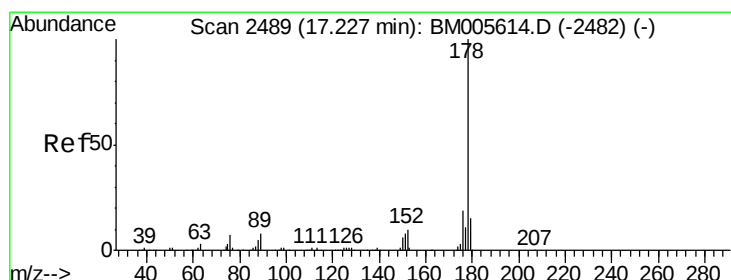
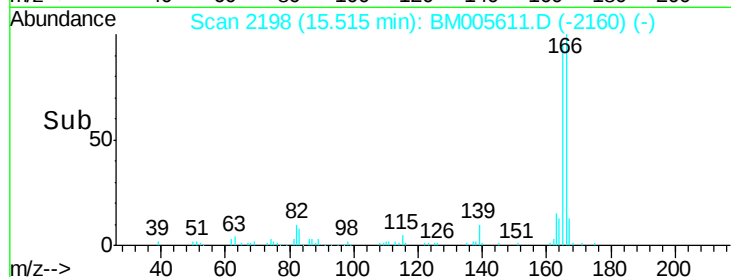
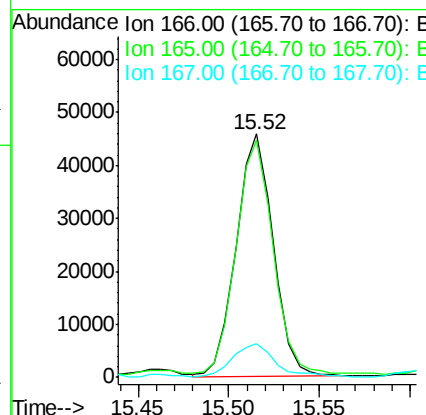
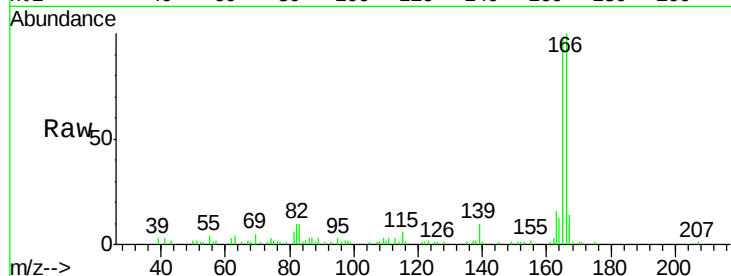
#58
Fluorene
Concen: 3.97 ng/ul
RT: 15.52 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	64780		
165	97.4	78.0	117.0	
167	13.9	10.5	15.7	

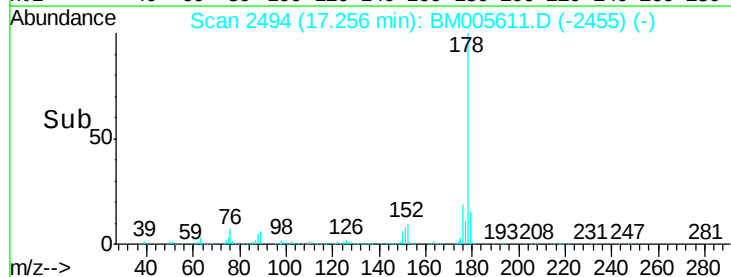
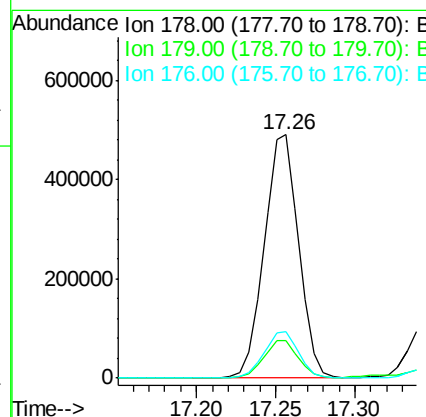
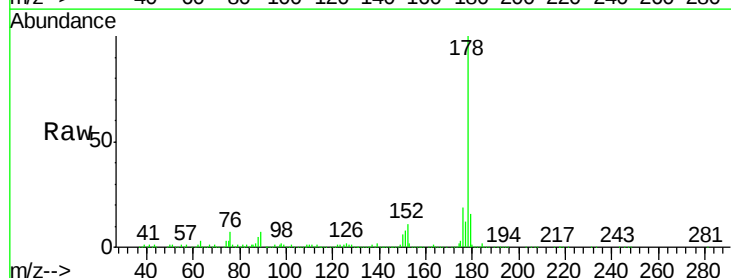
Manual Integrations
APPROVED

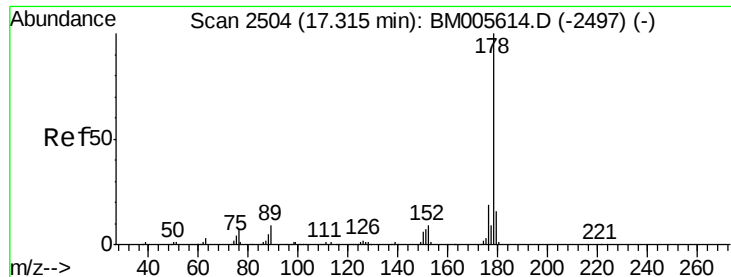
umangi
5/23/2016 8:36:21 PM



#69
Phenanthrene
Concen: 26.96 ng/ul
RT: 17.26 min Scan# 2494
Delta R.T. 0.03 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	735835		
179	15.5	12.2	18.2	
176	18.9	15.8	23.6	





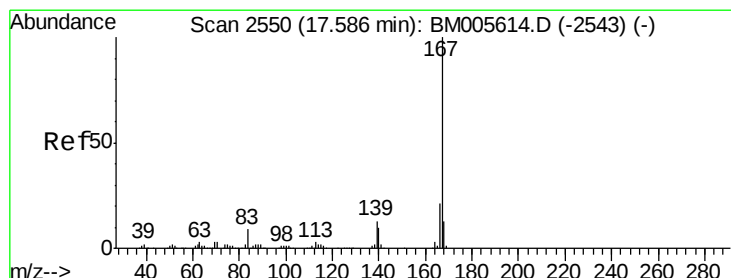
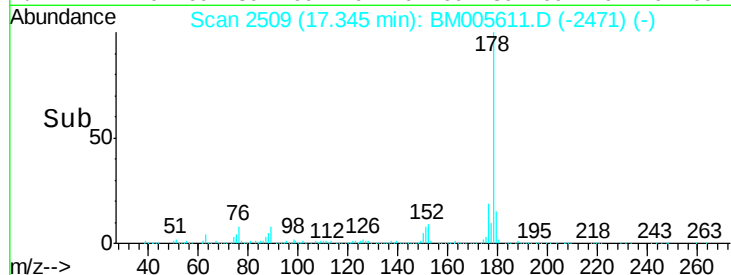
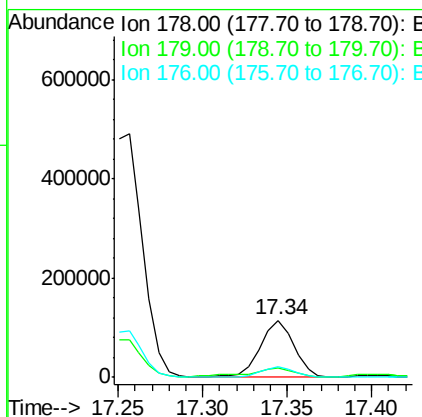
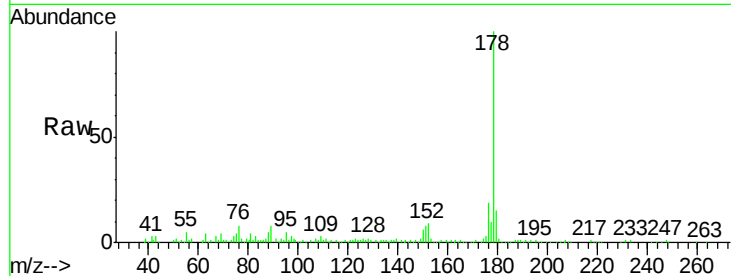
#71
 Anthracene
 Concen: 5.59 ng/ul
 RT: 17.34 min Scan# 2509
 Delta R.T. 0.02 min
 Lab File: BM005611.D
 Acq: 23 May 2016 05:57

Instrument :
 BNA_M
 ClientSampleId :
 JHKG8

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	155438		
179	15.4	12.6	18.8	
176	19.2	15.0	22.4	

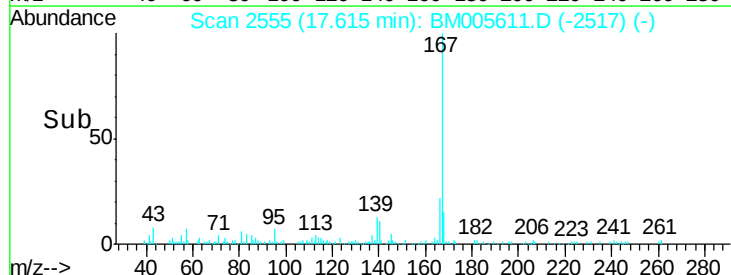
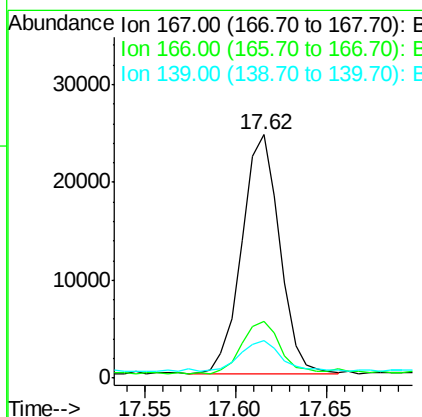
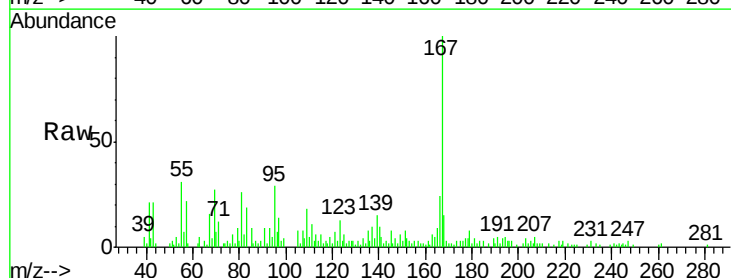
Manual Integrations
 APPROVED

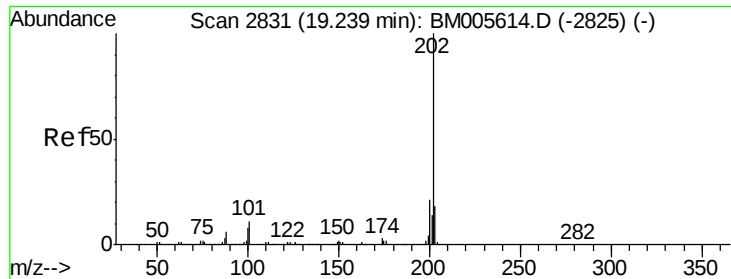
umangi
 5/23/2016 8:36:21 PM



#72
 Carbazole
 Concen: 1.46 ng/ul
 RT: 17.62 min Scan# 2555
 Delta R.T. 0.02 min
 Lab File: BM005611.D
 Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	35258		
166	23.5	16.9	25.3	
139	15.4	10.6	16.0	





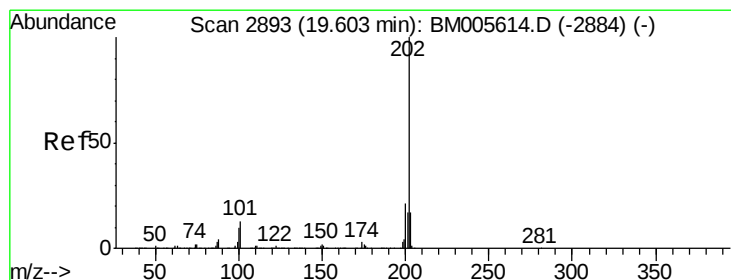
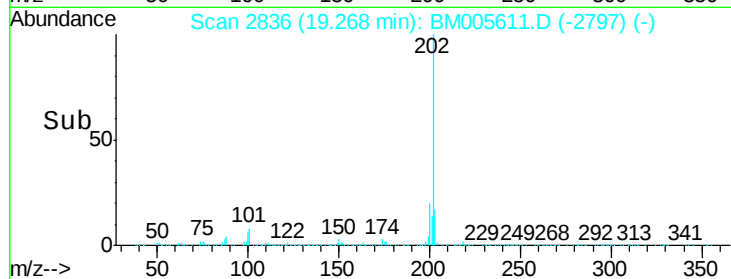
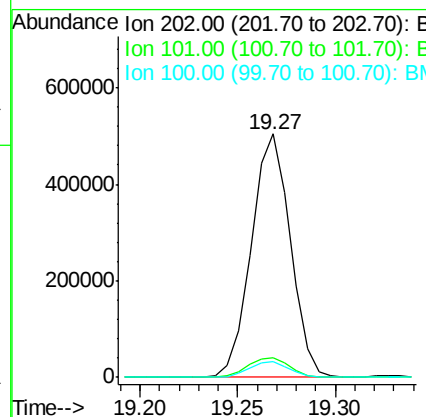
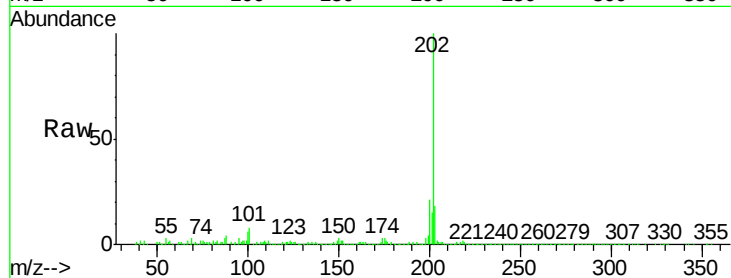
#74
Fluoranthene
Concen: 22.59 ng/ul
RT: 19.27 min Scan# 2836
Delta R.T. 0.03 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	693944		
101	8.3	7.9	11.9	
100	6.3	5.6	8.4	

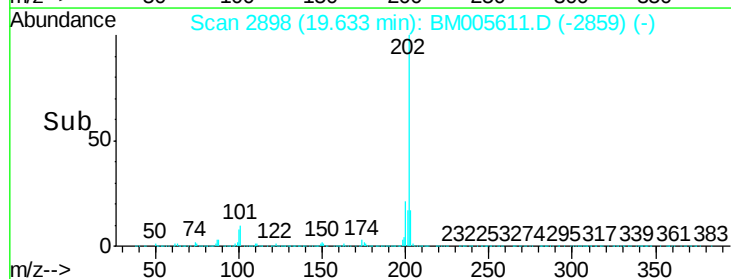
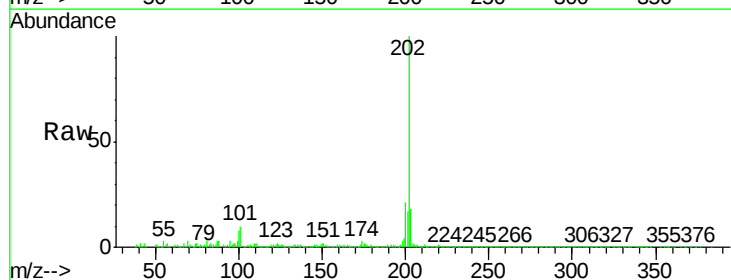
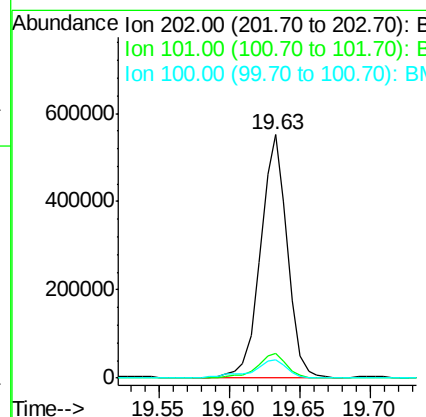
Manual Integrations
APPROVED

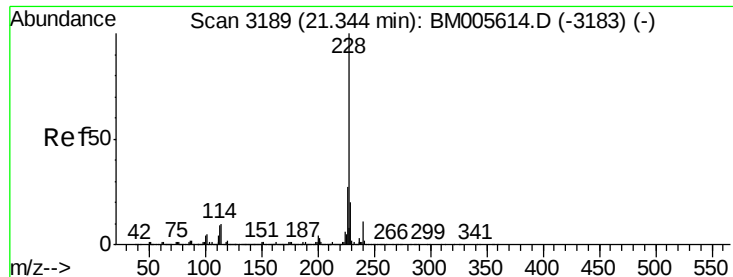
umangi
5/23/2016 8:36:21 PM



#77
Pyrene
Concen: 28.44 ng/ul
RT: 19.63 min Scan# 2898
Delta R.T. 0.03 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	731375		
101	10.0	9.6	14.4	
100	7.7	7.8	11.6	





#80

Benzo(a)anthracene

Concen: 8.67 ng/ul

RT: 21.37 min Scan# 3194

Delta R.T. 0.02 min

Lab File: BM005611.D

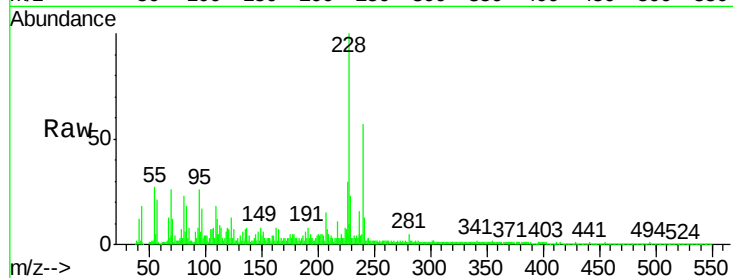
Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

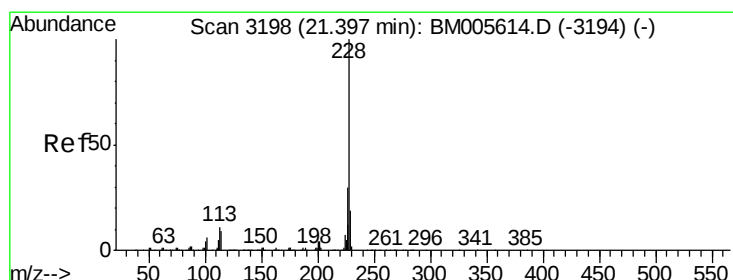
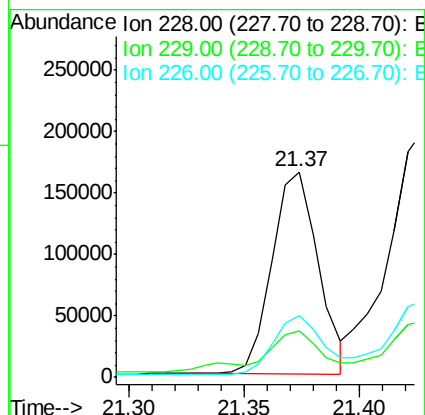
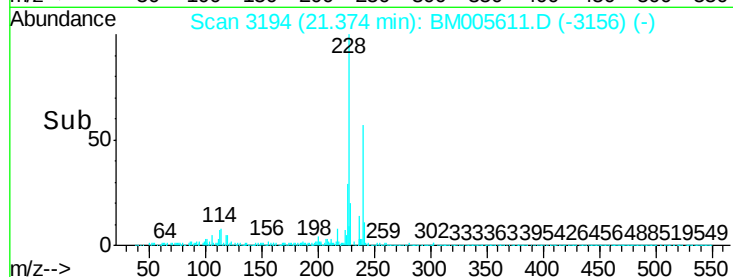
JHGK8



Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	22.6	15.4	23.2	
226	30.3	21.0	31.4	

Manual Integrations
APPROVED

umangi
5/23/2016 8:36:21 PM



#82

Chrysene

Concen: 11.61 ng/ul

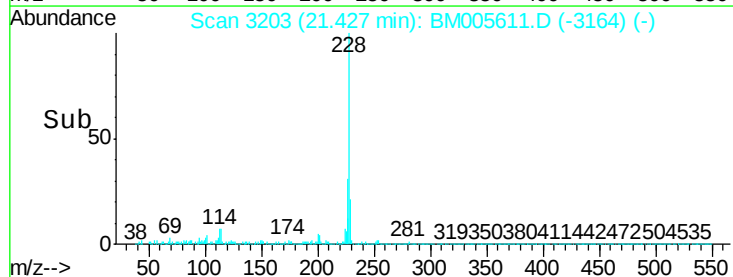
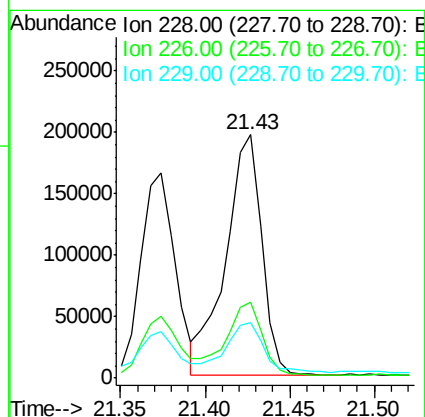
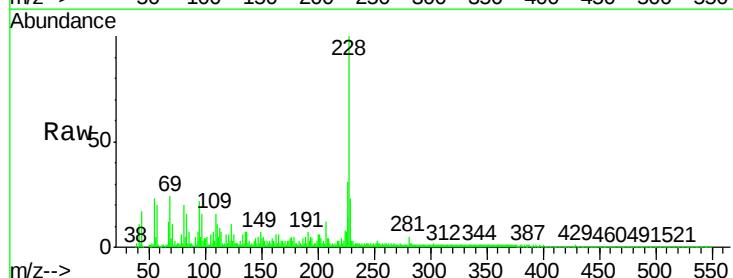
RT: 21.43 min Scan# 3203

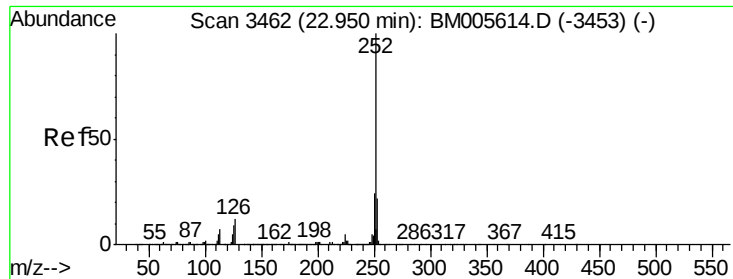
Delta R.T. 0.03 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.4	23.7	35.5	
229	22.8	15.5	23.3	





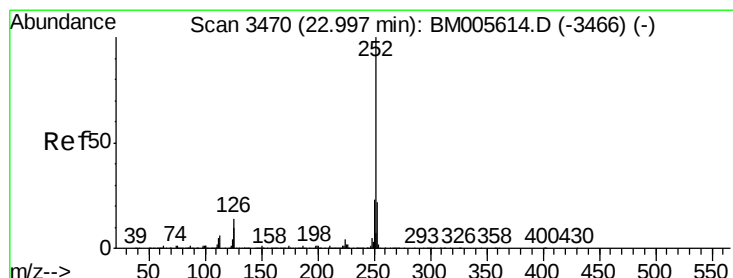
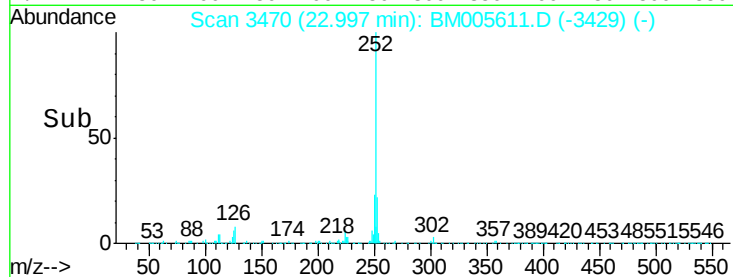
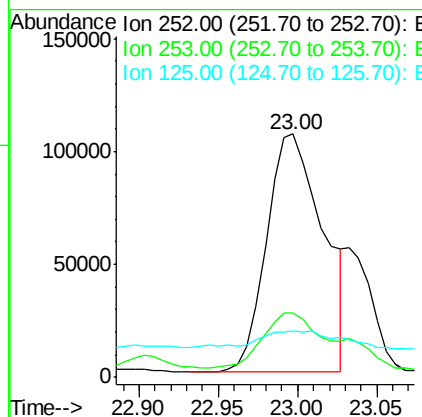
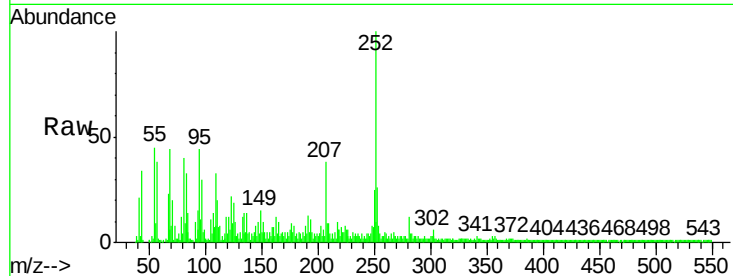
#85
Benzo(b)fluoranthene
Concen: 10.95 ng/ul
RT: 23.00 min Scan# 3470
Delta R.T. 0.04 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.2	17.3	25.9#
125	18.9	7.0	10.4#

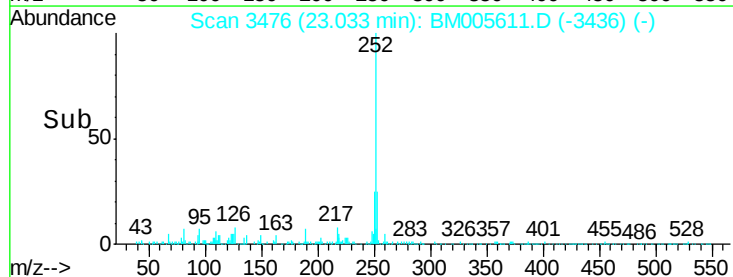
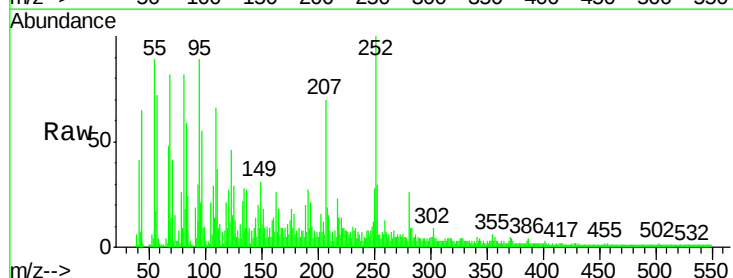
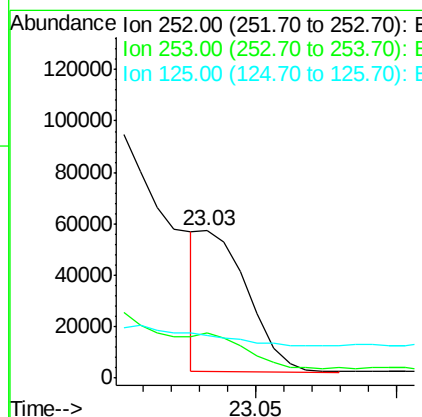
Manual Integrations
APPROVED

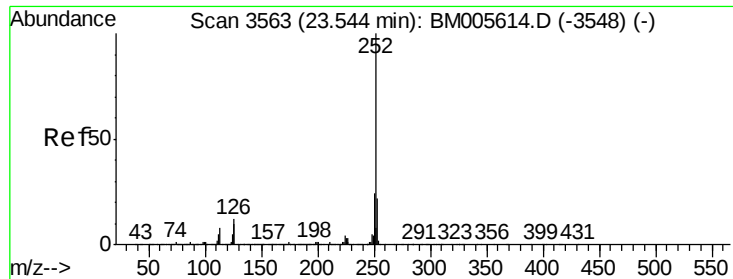
umangi
5/23/2016 8:36:21 PM



#86
Benzo(k)fluoranthene
Concen: 2.86 ng/ul m
RT: 23.03 min Scan# 3476
Delta R.T. 0.04 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	30.3	17.5	26.3#
125	29.0	7.0	10.6#





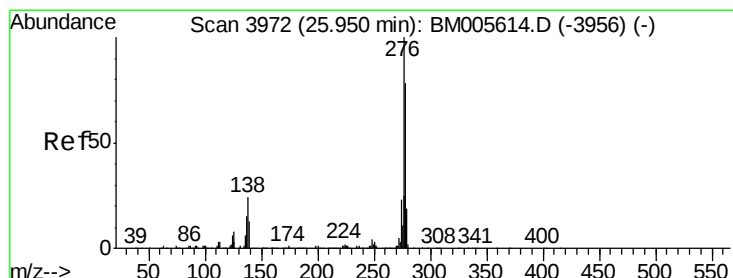
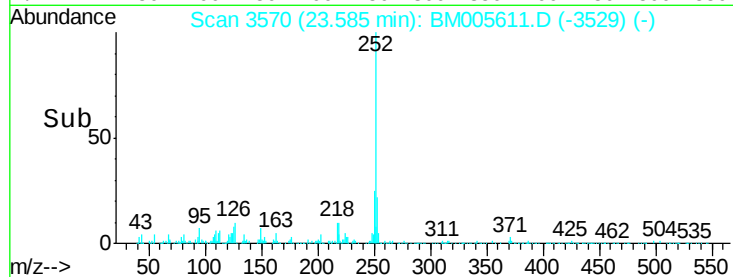
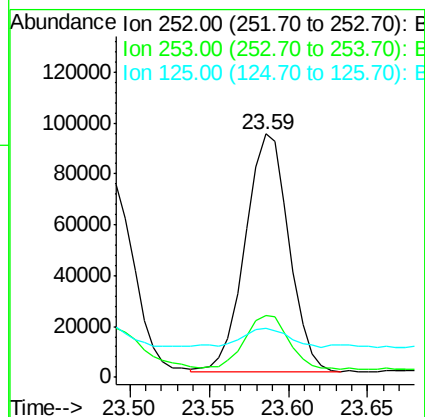
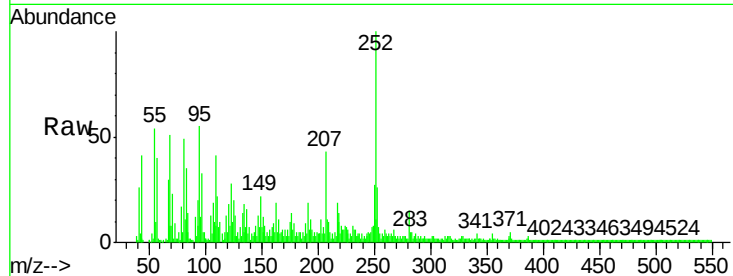
#88
Benzo(a)pyrene
Concen: 7.71 ng/ul
RT: 23.59 min Scan# 3570
Delta R.T. 0.04 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.7	17.6	26.4
125	20.2	7.6	11.4

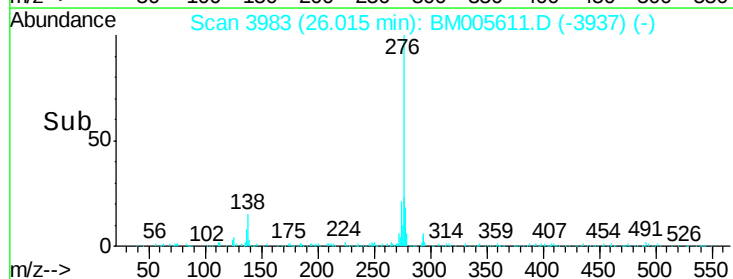
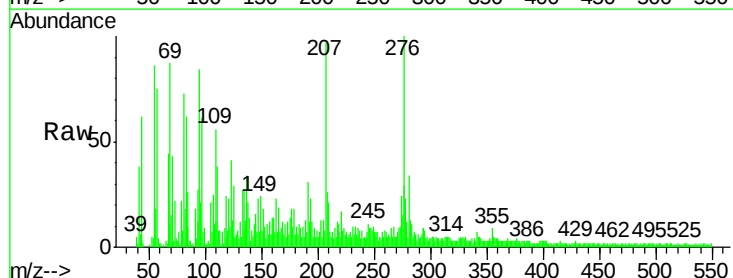
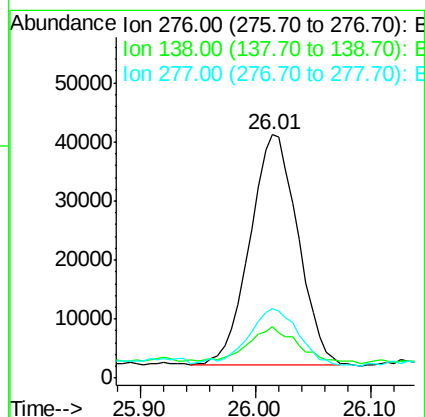
Manual Integrations
APPROVED

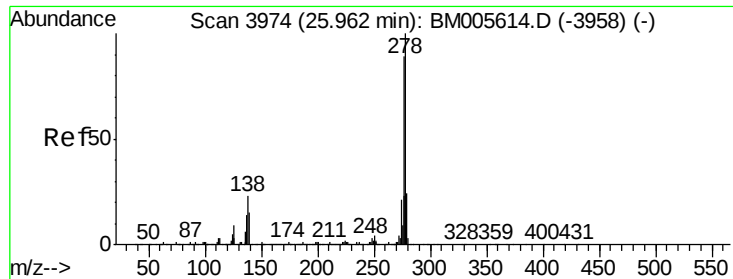
umangi
5/23/2016 8:36:21 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 4.09 ng/ul
RT: 26.01 min Scan# 3983
Delta R.T. 0.07 min
Lab File: BM005611.D
Acq: 23 May 2016 05:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.2	16.9	25.3
277	28.6	20.2	30.4





#90

Dibenzo(a,h)anthracene

Concen: 1.23 ng/ul

RT: 26.02 min Scan# 3984

Delta R.T. 0.06 min

Lab File: BM005611.D

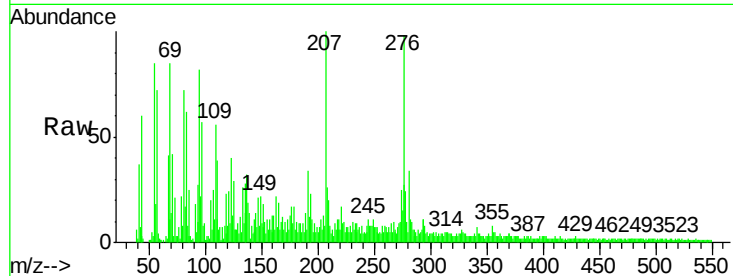
Acq: 23 May 2016 05:57

Instrument :

BNA_M

ClientSampleId :

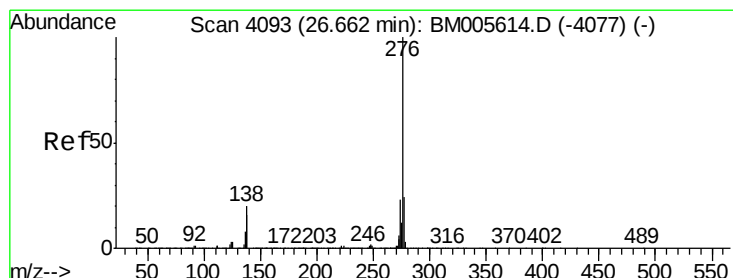
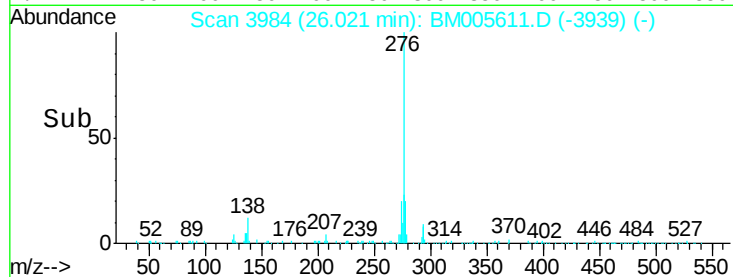
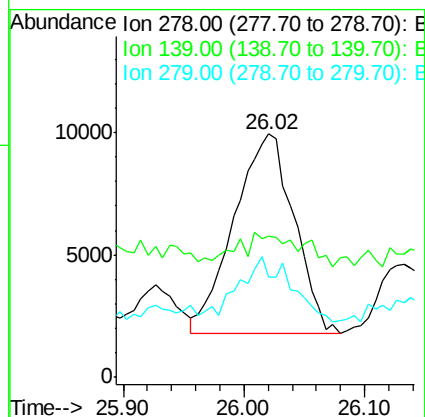
JHGK8



Tgt Ion:	278	Resp:	28103
Ion Ratio	Lower	Upper	
278	100		
139	58.1	11.8	17.6#
279	41.2	19.4	29.2#

Manual Integrations
APPROVED

umangi
5/23/2016 8:36:21 PM



#91

Benzo(g,h,i)perylene

Concen: 4.53 ng/ul

RT: 26.73 min Scan# 4105

Delta R.T. 0.08 min

Lab File: BM005611.D

Acq: 23 May 2016 05:57

Tgt Ion:	276	Resp:	104878
Ion Ratio	Lower	Upper	
276	100		
138	22.6	15.0	22.6#
277	29.5	18.6	28.0#

