

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005591.D
 Acq On : 22 May 2016 17:49
 Operator : UM/SJ
 Sample : H3087-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK4

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:35:38 PM

Quant Time: May 23 06:03:07 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	7.81	152	40810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	206063	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	139203	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	356949	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	495174	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	580950	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	2901	3.11	ng/uL	0.00
5) Phenol-d5	6.98	99	77450	23.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	44794	23.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	59312	21.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	63072	23.01	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	32308	20.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	36896	21.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	68379	20.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	79070	24.17	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	263938	23.23	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	308674	21.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	44262	20.59	ng/ul	0.00
57) Fluorene-d10	15.43	176	240528	24.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	27936	13.61	ng/ul	0.00
70) Anthracene-d10	17.28	188	422108	24.83	ng/ul	0.00
76) Pyrene-d10	19.57	212	541785	24.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	677313	24.97	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.01	94	6747	1.96 ng/ul	95
14) Acetophenone	8.63	105	7267	1.76 ng/ul	91
44) Dimethylphthalate	13.90	163	56513	5.03 ng/ul	97
47) Acenaphthylene	14.17	152	38442	2.66 ng/ul	98
58) Fluorene	15.49	166	27370	2.52 ng/ul	97
69) Phenanthrene	17.23	178	477562	23.94 ng/ul	99
71) Anthracene	17.32	178	112064	5.51 ng/ul	99
74) Fluoranthene	19.24	202	946547	42.15 ng/ul	99
77) Pyrene	19.60	202	857942	30.14 ng/ul	98
80) Benzo(a)anthracene	21.34	228	330230	11.35 ng/ul	95
82) Chrysene	21.40	228	413326	14.93 ng/ul	98
85) Benzo(b)fluoranthene	22.96	252	325824	9.51 ng/ul	97
86) Benzo(k)fluoranthene	22.99	252	134478m	4.15 ng/ul	
88) Benzo(a)pyrene	23.54	252	281705	8.48 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.93	276	157585	3.99 ng/ul	96
90) Dibenzo(a,h)anthracene	25.94	278	39266	1.19 ng/ul#	77
91) Benzo(g,h,i)perylene	26.64	276	139338	4.20 ng/ul	99

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

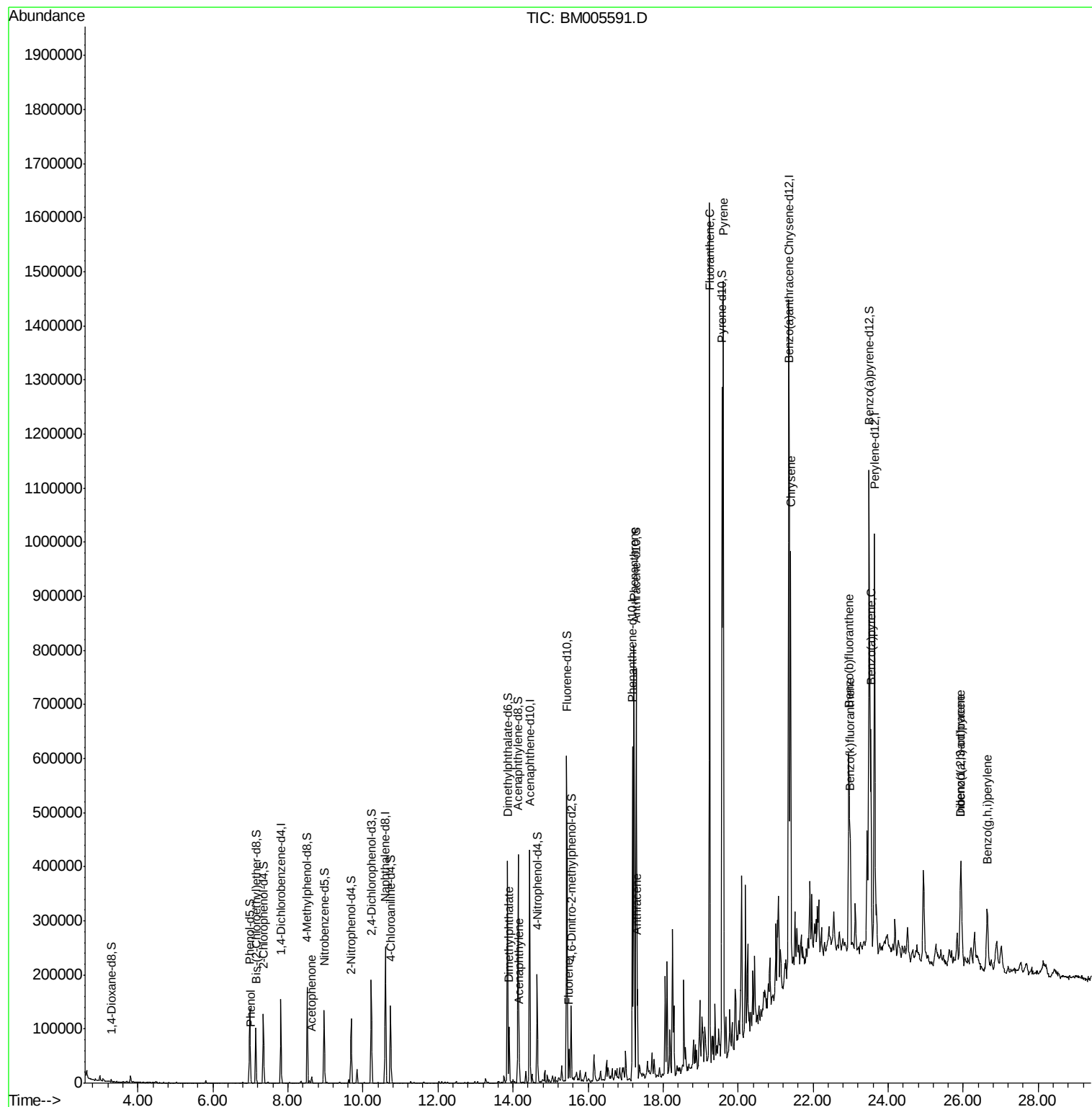
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

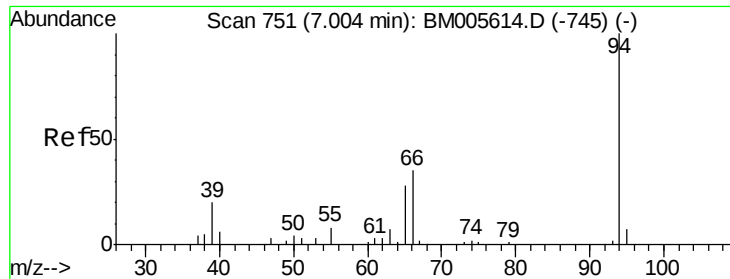
Instrument :
BNA_M
ClientSampleId :
JHGK4

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:38 PM

Quant Time: May 23 06:03:07 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





#6

Phenol

Concen: 1.96 ng/ul

RT: 7.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: BM005591.D

Acq: 22 May 2016 17:49

Instrument :

BNA_M

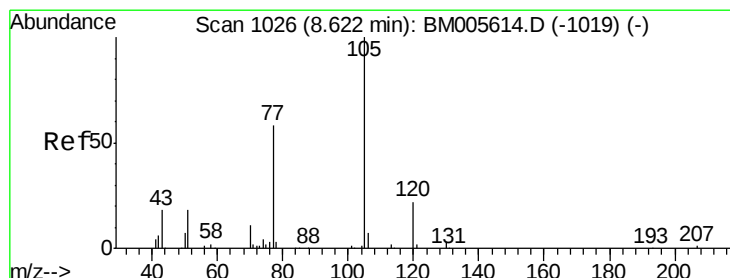
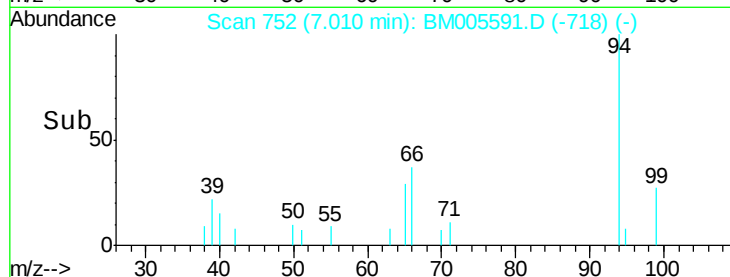
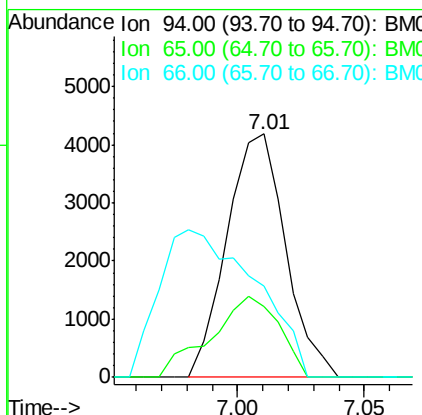
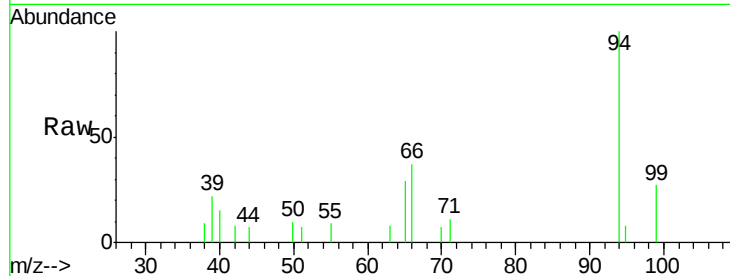
ClientSampleId :

JHGK4

Tgt Ion:	94	Resp:	6747
Ion	Ratio	Lower	Upper
94	100		
65	29.1	24.2	36.2
66	37.5	33.9	50.9

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:38 PM



#14

Acetophenone

Concen: 1.76 ng/ul

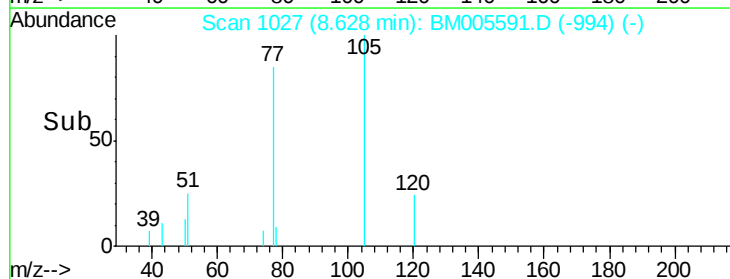
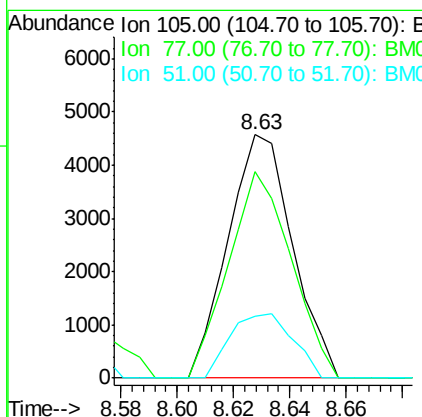
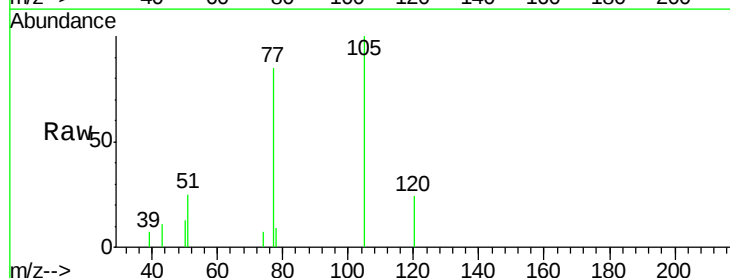
RT: 8.63 min Scan# 1027

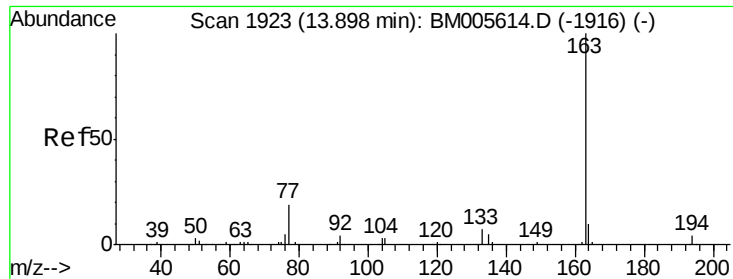
Delta R.T. -0.01 min

Lab File: BM005591.D

Acq: 22 May 2016 17:49

Tgt Ion:	105	Resp:	7267
Ion	Ratio	Lower	Upper
105	100		
77	84.7	60.8	91.2
51	25.3	22.2	33.2





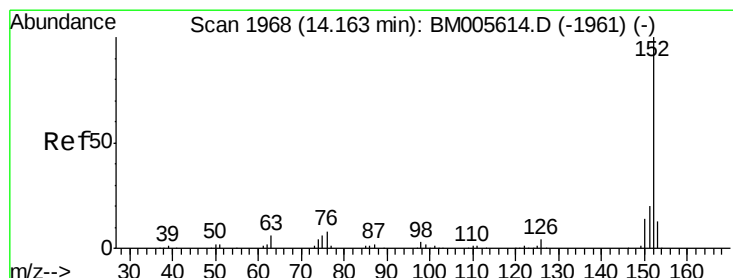
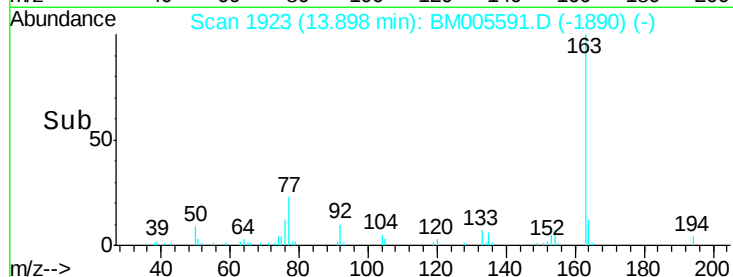
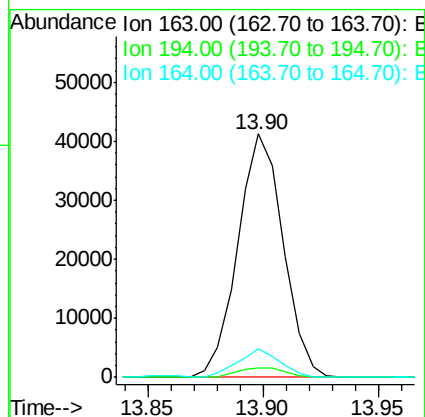
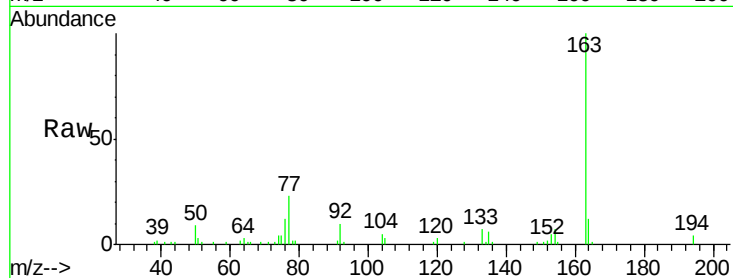
#44
Dimethylphthalate
Concen: 5.03 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Instrument :
BNA_M
ClientSampled :
JHGK4

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.4	5.0
164	11.7	8.0	12.0

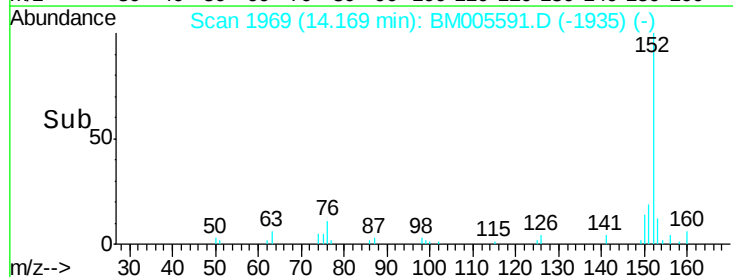
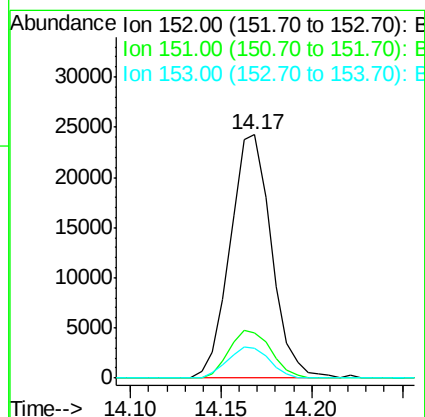
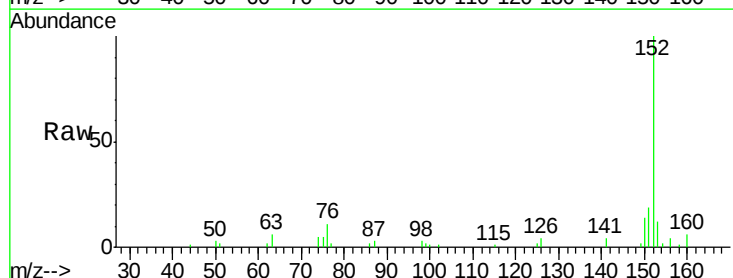
Manual Integrations
APPROVED

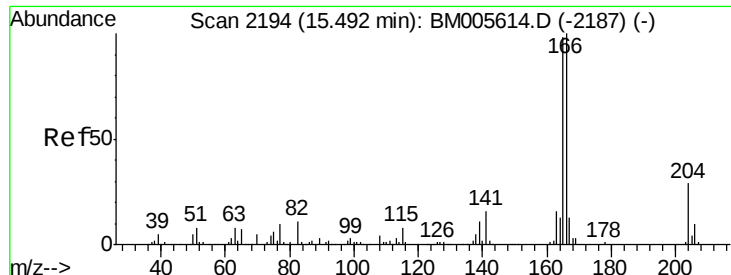
umangi
5/23/2016 8:35:38 PM



#47
Acenaphthylene
Concen: 2.66 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	18.6	15.7	23.5
153	12.2	10.5	15.7





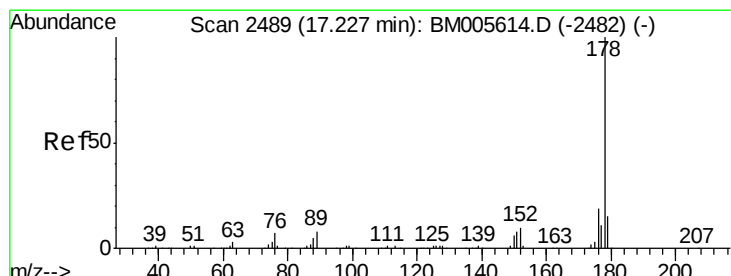
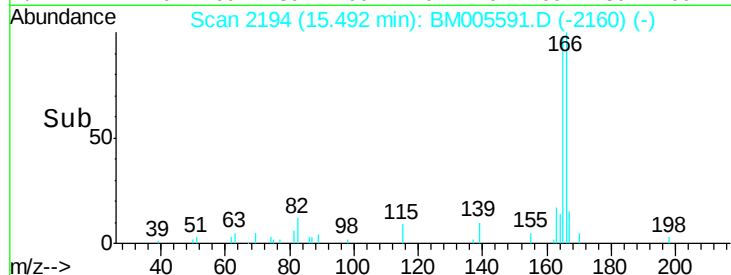
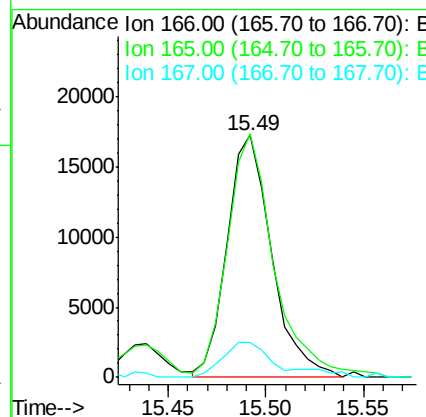
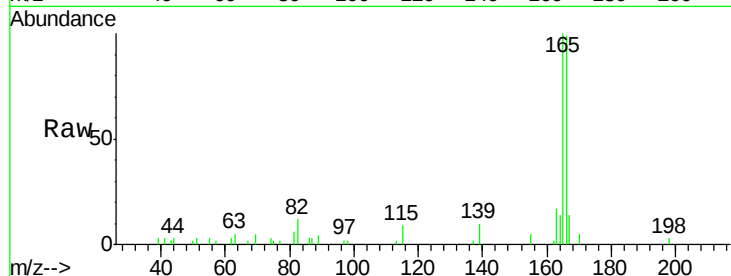
#58
Fluorene
 Concen: 2.52 ng/ul
 RT: 15.49 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Instrument :
 BNA_M
 ClientSampleId :
 JHGK4

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27370		
165	100.5	78.0	117.0	
167	14.5	10.5	15.7	

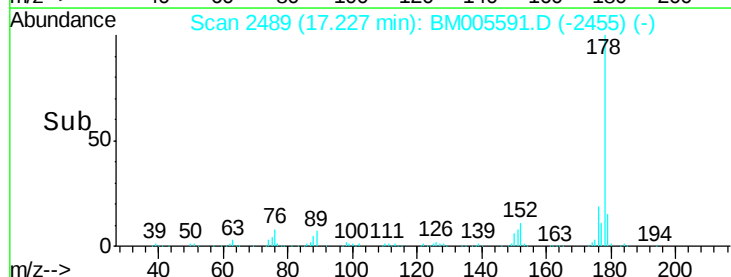
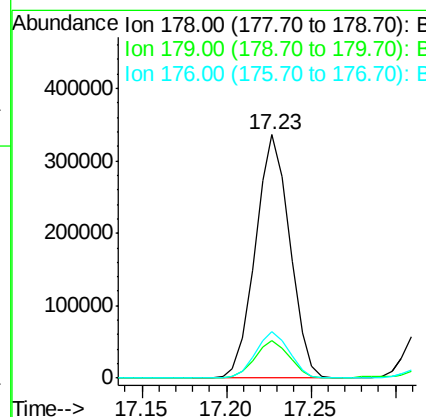
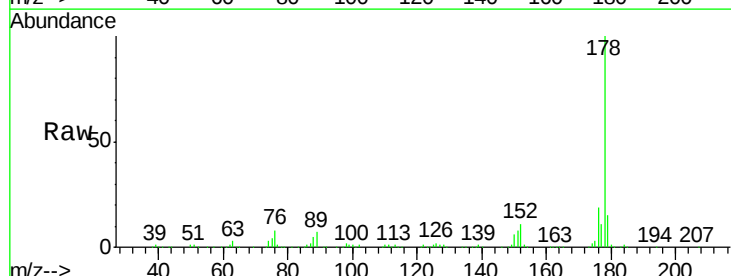
Manual Integrations
 APPROVED

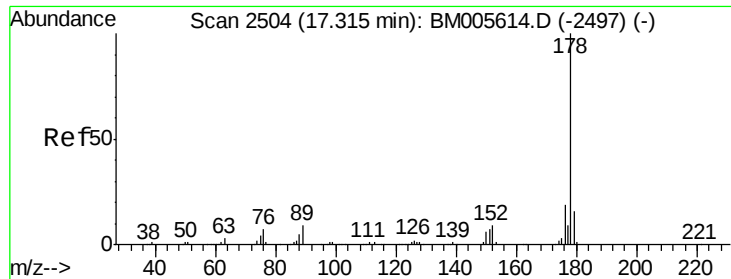
umangi
 5/23/2016 8:35:38 PM



#69
Phenanthrene
 Concen: 23.94 ng/ul
 RT: 17.23 min Scan# 2489
 Delta R.T. -0.00 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	477562		
179	15.3	12.2	18.2	
176	19.0	15.8	23.6	





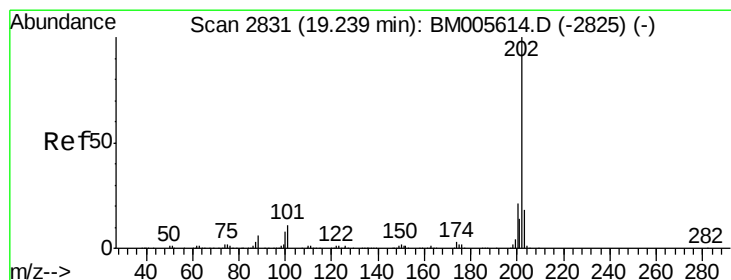
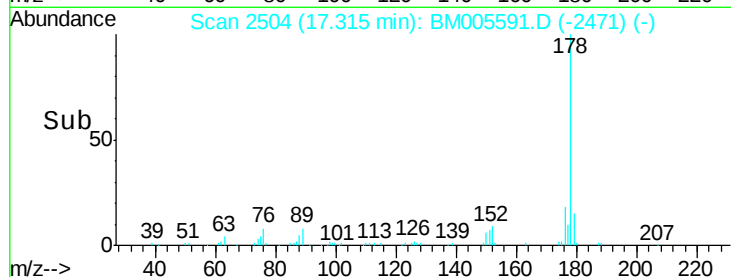
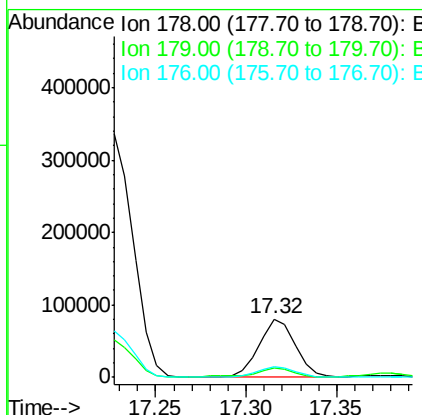
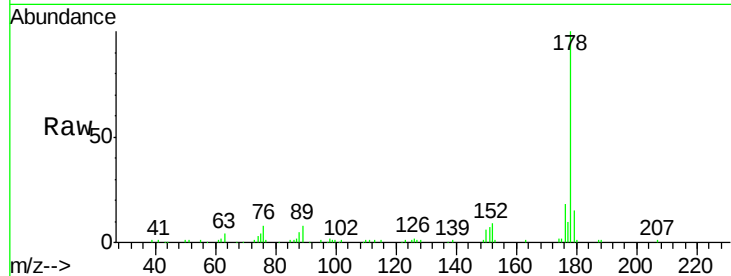
#71
 Anthracene
 Concen: 5.51 ng/ul
 RT: 17.32 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Instrument :
 BNA_M
 ClientSampleId :
 JHKG4

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	112064		
179	15.2	12.6	18.8	
176	18.4	15.0	22.4	

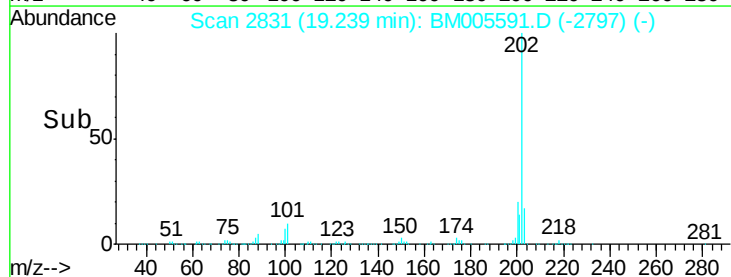
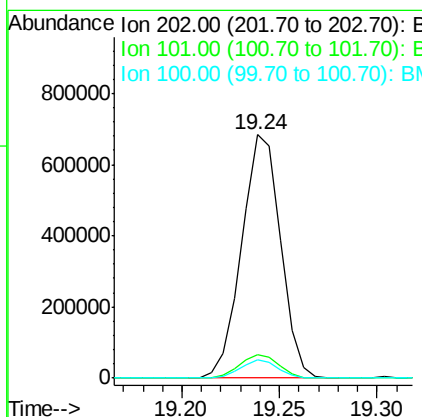
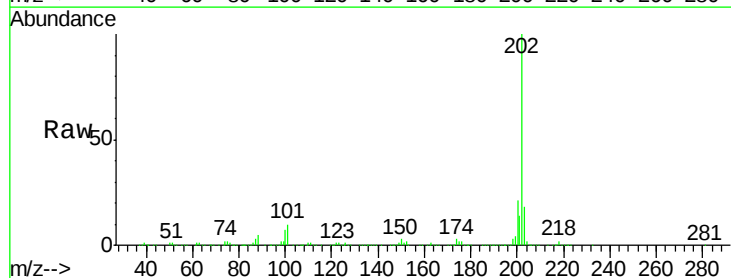
Manual Integrations
 APPROVED

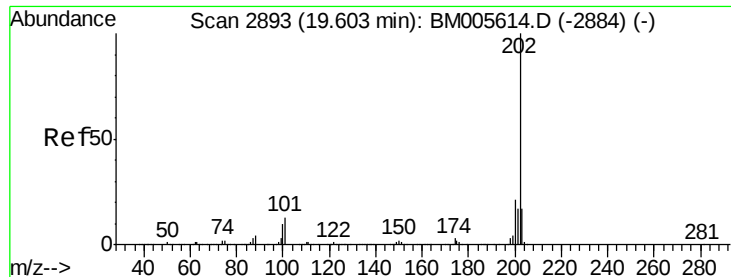
umangi
 5/23/2016 8:35:38 PM



#74
 Fluoranthene
 Concen: 42.15 ng/ul
 RT: 19.24 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	946547		
101	9.8	7.9	11.9	
100	7.4	5.6	8.4	





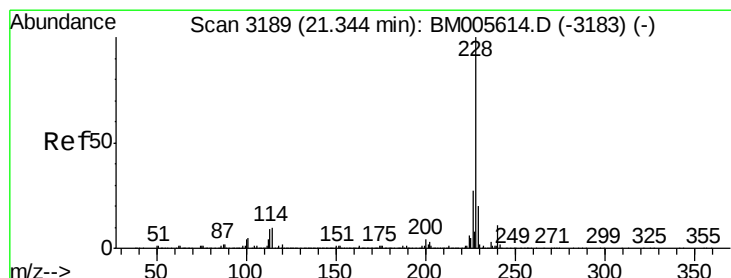
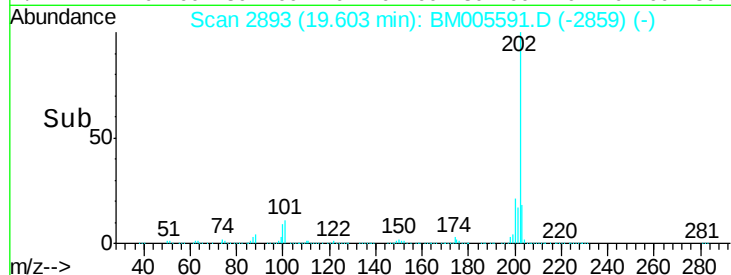
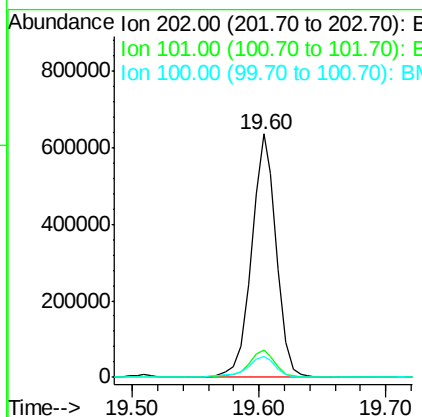
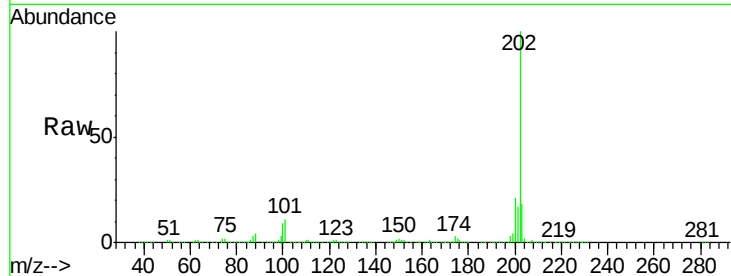
#77
 Pyrene
 Concen: 30.14 ng/ul
 RT: 19.60 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Instrument :
 BNA_M
 ClientSampleId :
 JHGK4

Tgt Ion:	202	Resp:	857942
Ion Ratio	Lower	Upper	
202	100		
101	11.1	9.6	14.4
100	8.8	7.8	11.6

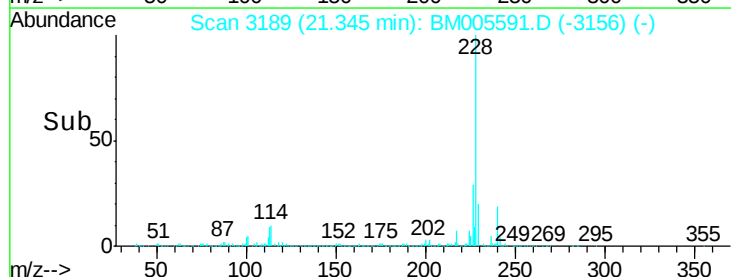
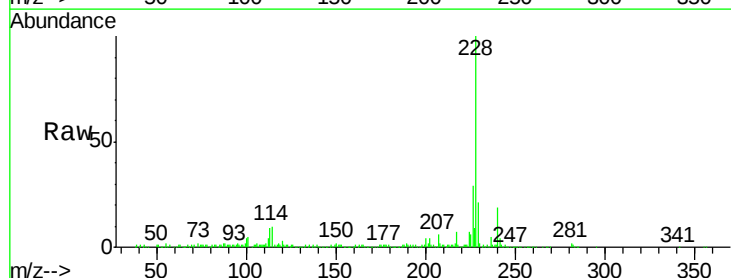
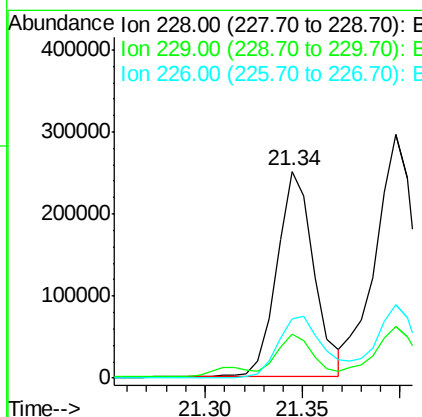
Manual Integrations
 APPROVED

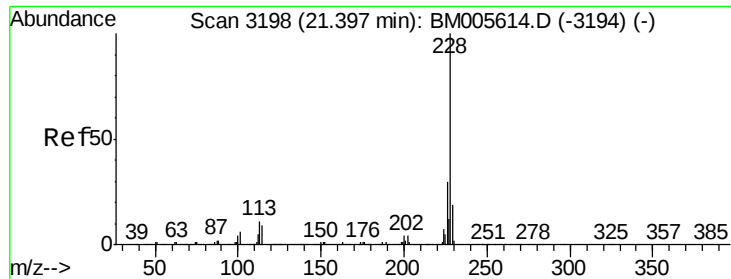
umangi
 5/23/2016 8:35:38 PM



#80
 Benzo(a)anthracene
 Concen: 11.35 ng/ul
 RT: 21.34 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BM005591.D
 Acq: 22 May 2016 17:49

Tgt Ion:	228	Resp:	330230
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.4	23.2
226	29.0	21.0	31.4





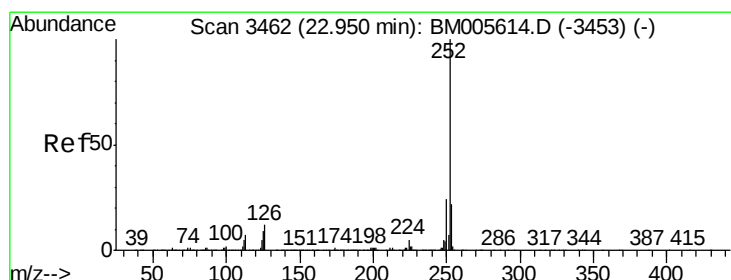
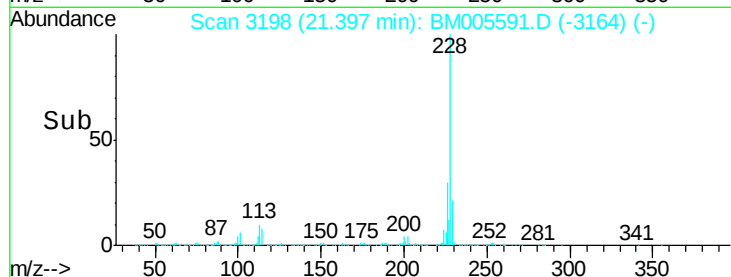
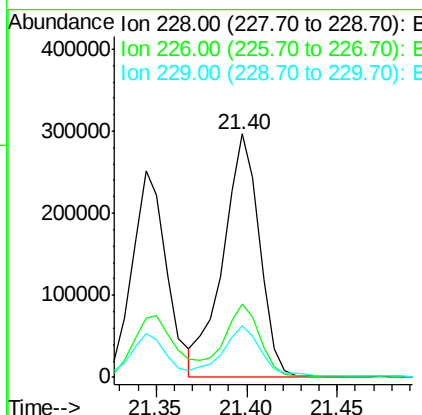
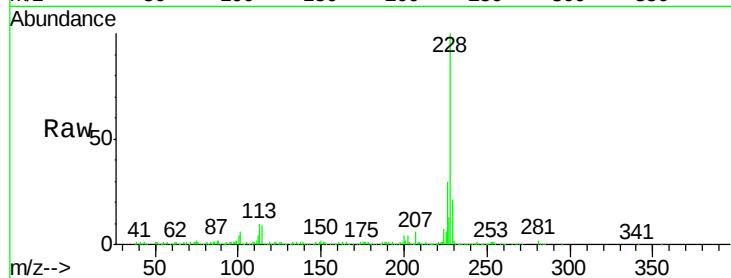
#82
Chrysene
Concen: 14.93 ng/ul
RT: 21.40 min Scan# 3198
Delta R.T. -0.00 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Instrument :
BNA_M
ClientSampleId :
JHGK4

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	413326		
226	30.3	23.7	35.5	
229	21.1	15.5	23.3	

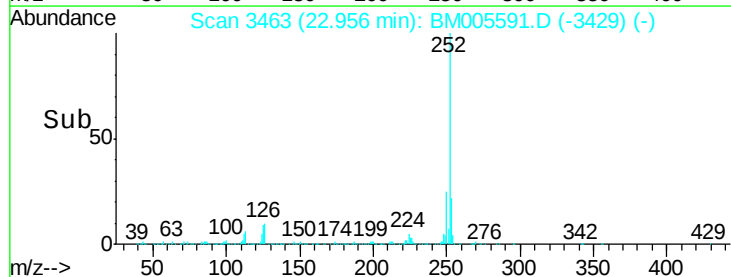
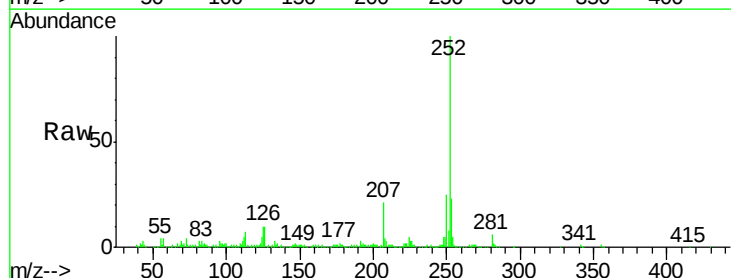
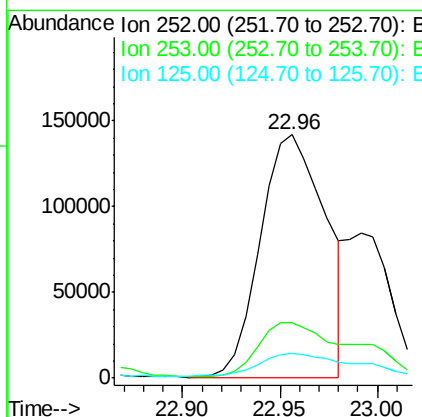
Manual Integrations
APPROVED

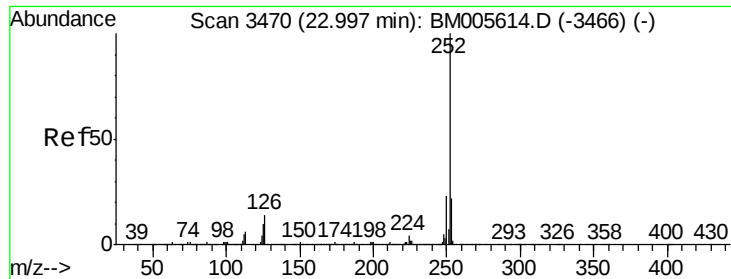
umangi
5/23/2016 8:35:38 PM



#85
Benzo(b)fluoranthene
Concen: 9.51 ng/ul
RT: 22.96 min Scan# 3463
Delta R.T. -0.00 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	325824		
253	22.6	17.3	25.9	
125	10.0	7.0	10.4	





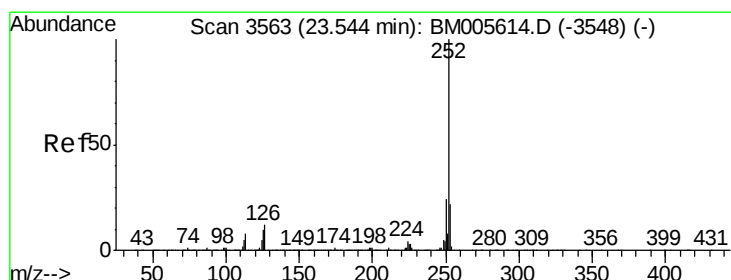
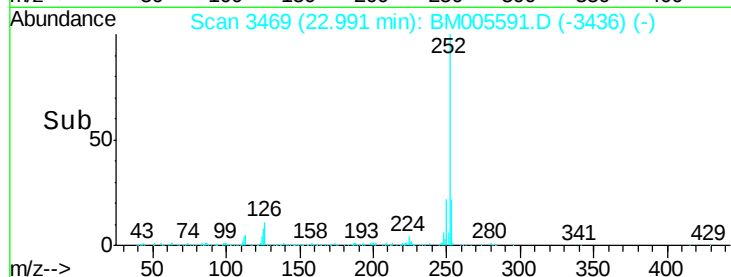
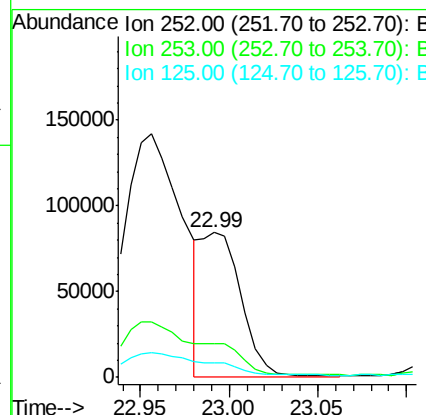
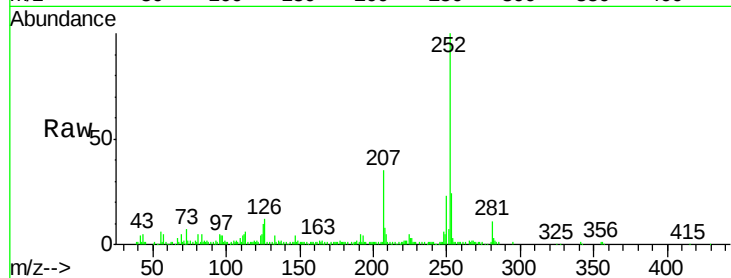
#86
Benzo(k)fluoranthene
Concen: 4.15 ng/ul m
RT: 22.99 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Instrument :
BNA_M
ClientSampleId :
JHKG4

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	134478		
253	23.6	17.5	26.3	
125	10.1	7.0	10.6	

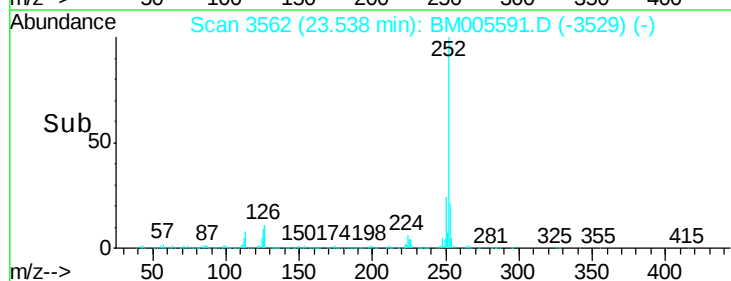
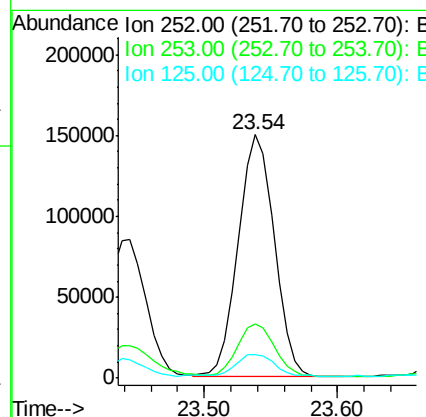
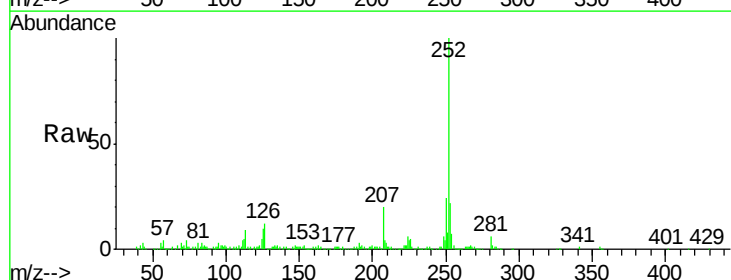
Manual Integrations
APPROVED

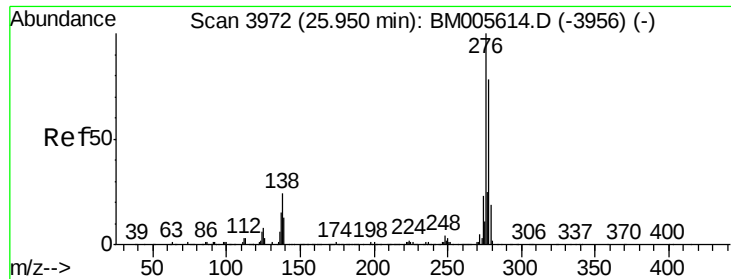
umangi
5/23/2016 8:35:38 PM



#88
Benzo(a)pyrene
Concen: 8.48 ng/ul
RT: 23.54 min Scan# 3562
Delta R.T. -0.01 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	281705		
253	22.5	17.6	26.4	
125	9.5	7.6	11.4	





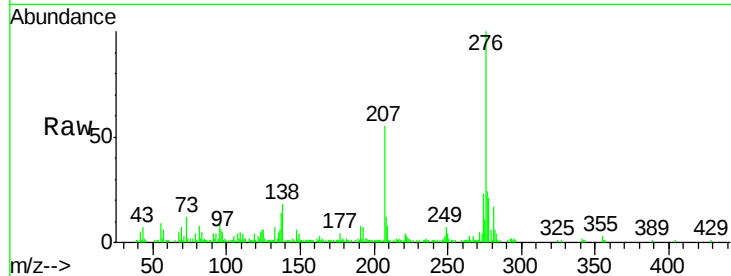
#89
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng/ul
RT: 25.93 min Scan# 3969
Delta R.T. -0.01 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Instrument :
BNA_M
ClientSampleId :
JHGK4

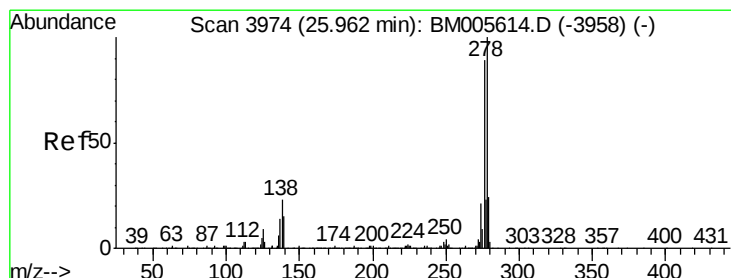
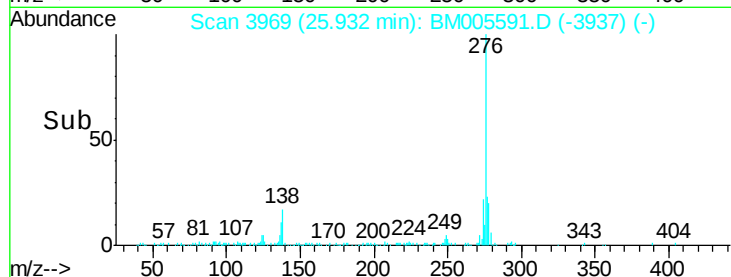
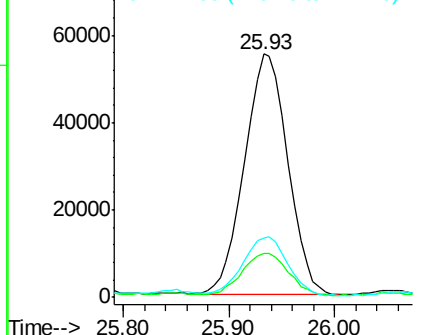
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.1	16.9	25.3
277	24.3	20.2	30.4

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:38 PM



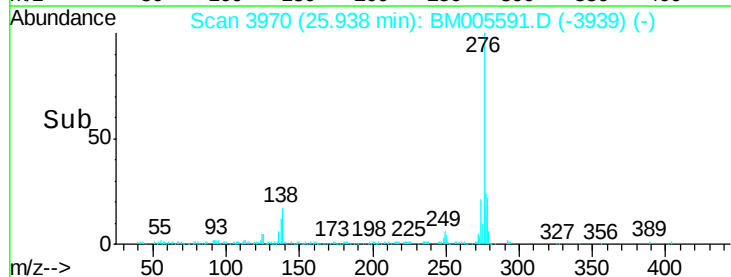
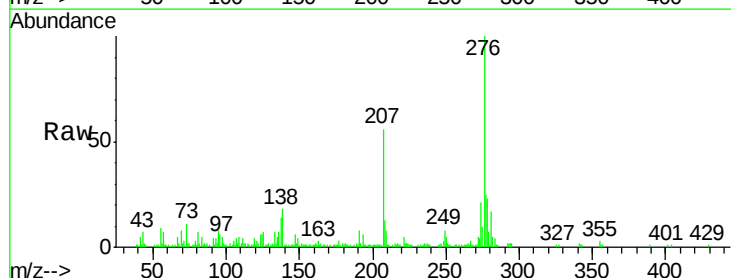
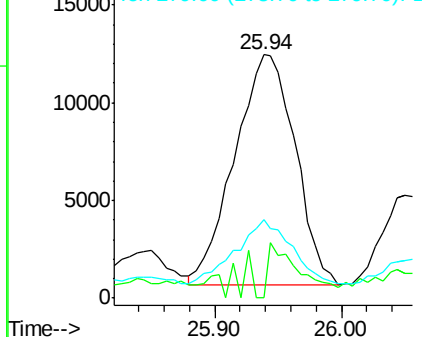
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

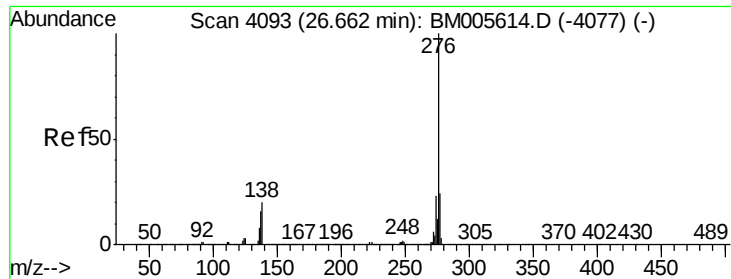


#90
Dibenzo(a,h)anthracene
Concen: 1.19 ng/ul
RT: 25.94 min Scan# 3970
Delta R.T. -0.02 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	11.8	17.6#
279	32.1	19.4	29.2#

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





#91
Benzo(g,h,i)perylene
Concen: 4.20 ng/ul
RT: 26.64 min Scan# 4090
Delta R.T. -0.01 min
Lab File: BM005591.D
Acq: 22 May 2016 17:49

Instrument :
BNA_M
ClientSampleId :
JHGK4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.0	22.6
277	23.1	18.6	28.0

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:38 PM

