

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005599.D
 Acq On : 22 May 2016 22:40
 Operator : UM/SJ
 Sample : H3087-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL0

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:35:56 PM

Quant Time: May 23 07:37:28 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	7.82	152	97788	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	695625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	393602	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	831206	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	882603	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	769382	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	8060	3.61	ng/uL	0.00
5) Phenol-d5	6.98	99	227616	28.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	121763	26.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	182072	27.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	261628	39.83	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	128979	24.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	158907	27.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	302808	27.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	214144	19.39	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	900754	28.03	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1168646	29.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	142571	23.46	ng/ul	0.00
57) Fluorene-d10	15.44	176	792078	28.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	91003	19.03	ng/ul	0.00
70) Anthracene-d10	17.29	188	1182281	29.86	ng/ul	0.00
76) Pyrene-d10	19.58	212	1311831	32.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1062705	29.58	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	8.63	105	50378	5.09	ng/ul	99
28) Naphthalene	10.66	128	126786	3.63	ng/ul	99
34) 2-Methylnaphthalene	12.27	142	44230	1.73	ng/ul	97
44) Dimethylphthalate	13.90	163	374187	11.79	ng/ul	99
47) Acenaphthylene	14.17	152	180109	4.41	ng/ul	97
58) Fluorene	15.49	166	64999	2.11	ng/ul	94
69) Phenanthrene	17.23	178	731349	15.74	ng/ul	99
71) Anthracene	17.32	178	204749	4.32	ng/ul	96
72) Carbazole	17.59	167	56947	1.39	ng/ul#	81
74) Fluoranthene	19.24	202	838703	16.04	ng/ul	98
77) Pyrene	19.61	202	839953	16.55	ng/ul	99
80) Benzo(a)anthracene	21.35	228	464525m	8.95	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.28	149	58489	1.94	ng/ul#	93
82) Chrysene	21.40	228	602090	12.20	ng/ul	96
85) Benzo(b)fluoranthene	22.96	252	740693	16.32	ng/ul#	80
86) Benzo(k)fluoranthene	23.00	252	251507m	5.85	ng/ul	
88) Benzo(a)pyrene	23.55	252	455765	10.35	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	25.96	276	340646	6.51	ng/ul	99
90) Dibenzo(a,h)anthracene	25.97	278	84633	1.94	ng/ul#	57
91) Benzo(g,h,i)perylene	26.67	276	339463	7.72	ng/ul	93

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

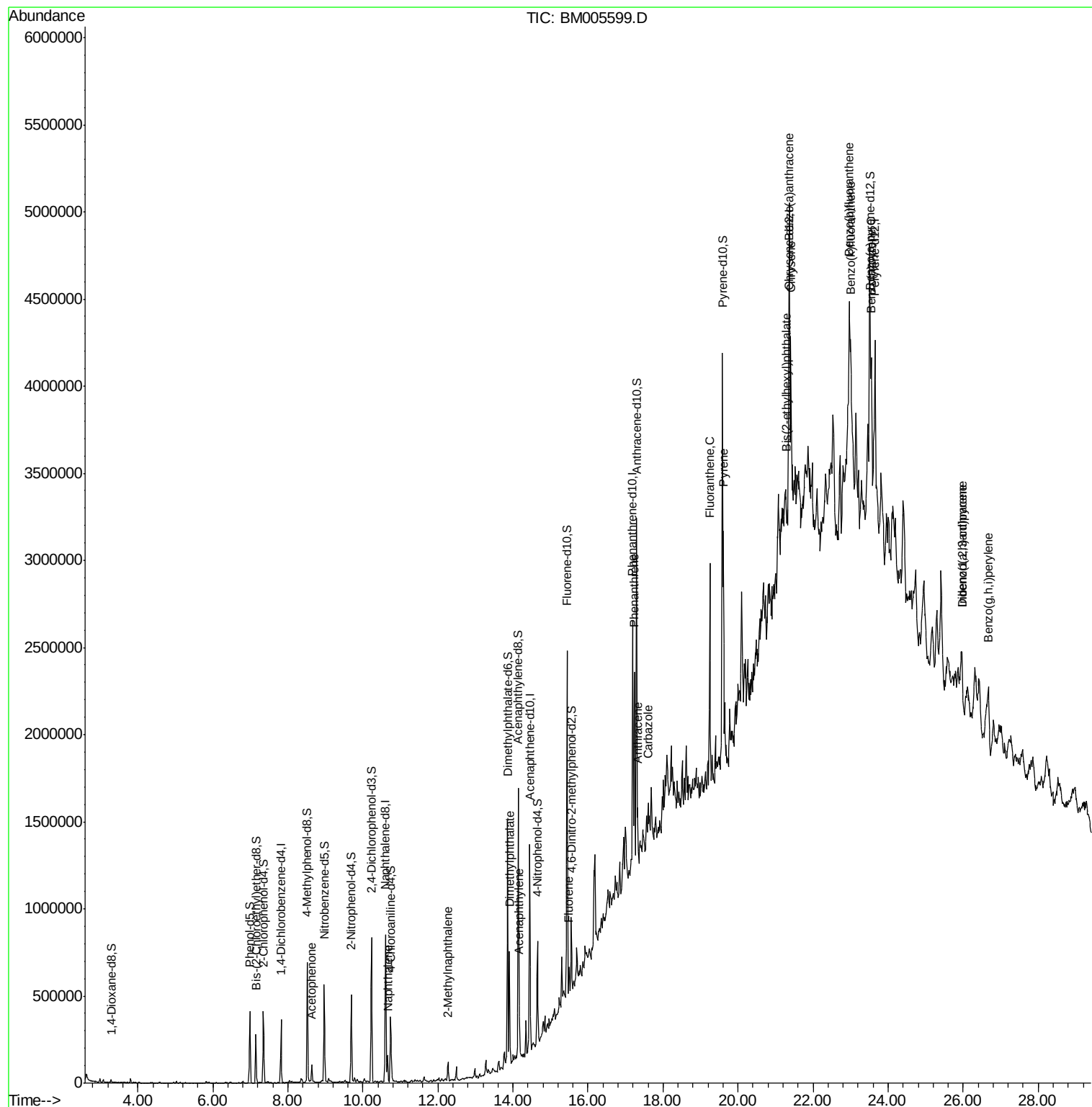
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005599.D
Acq On : 22 May 2016 22:40
Operator : UM/SJ
Sample : H3087-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

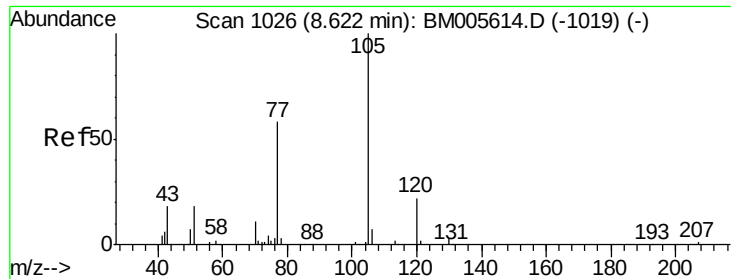
Instrument :
BNA_M
ClientSampled :
JHGL0

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:56 PM

Quant Time: May 23 07:37:28 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





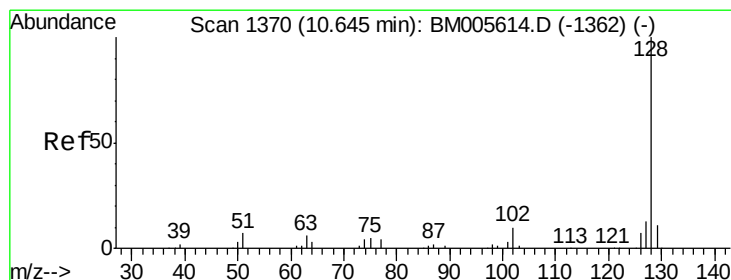
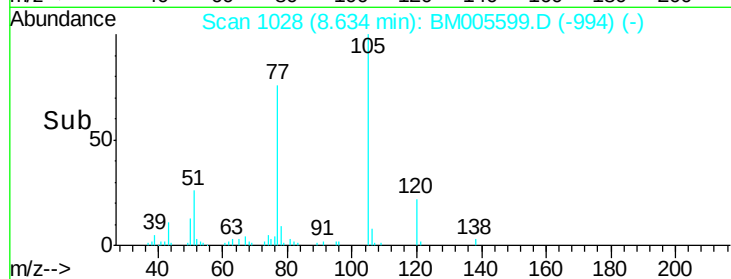
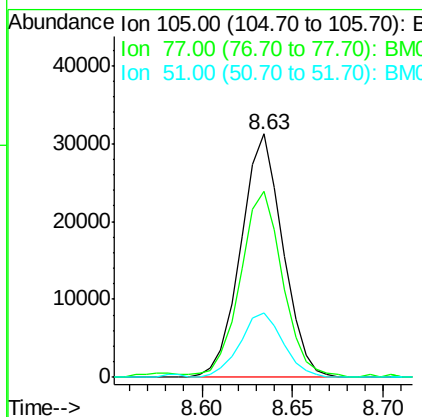
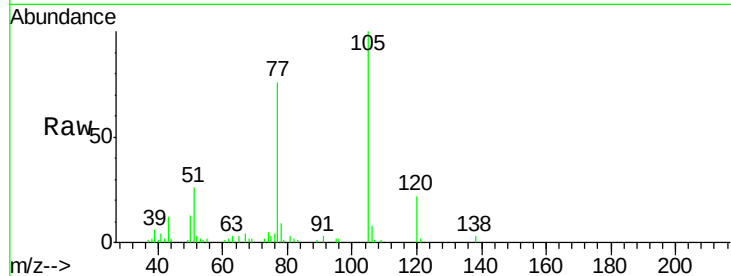
#14
Acetophenone
Concen: 5.09 ng/ul
RT: 8.63 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Instrument :
BNA_M
ClientSampleId :
JHGL0

Tgt Ion:	105	Resp:	50378
Ion Ratio	Lower	Upper	
105	100		
77	76.2	60.8	91.2
51	26.4	22.2	33.2

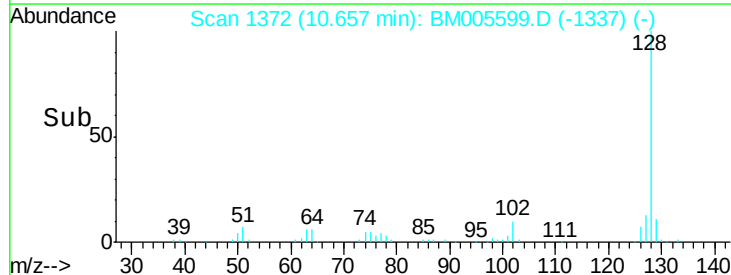
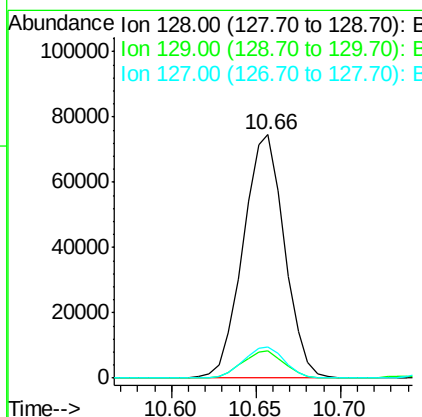
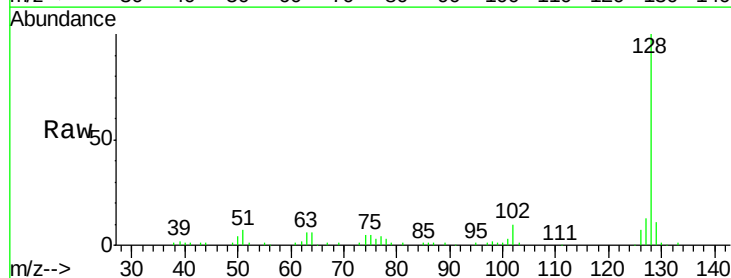
Manual Integrations
APPROVED

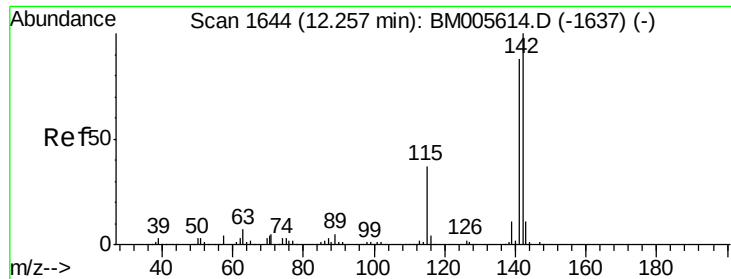
umangi
5/23/2016 8:35:56 PM



#28
Naphthalene
Concen: 3.63 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Tgt Ion:	128	Resp:	126786
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	13.0
127	12.6	10.6	15.8





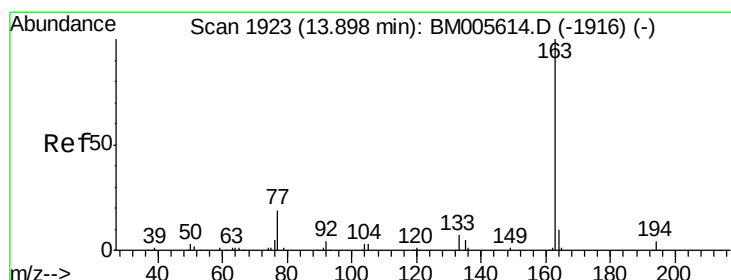
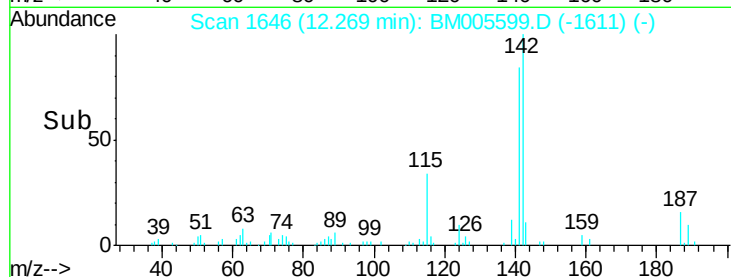
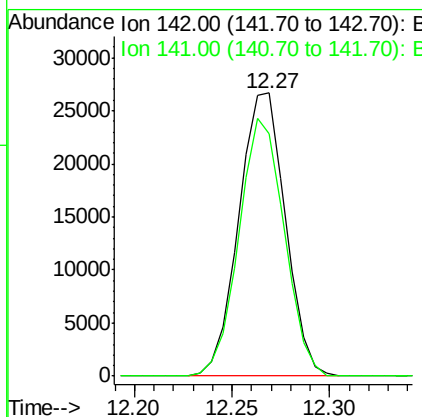
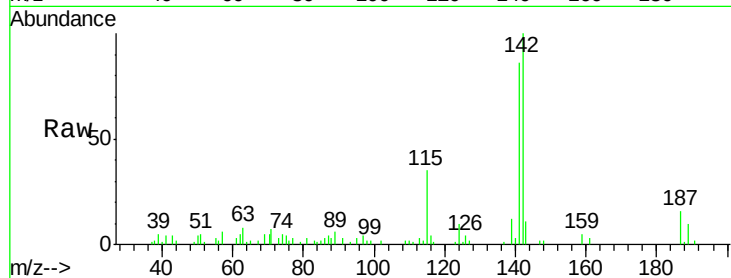
#34
2-Methylnaphthalene
Concen: 1.73 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.01 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Instrument :
BNA_M
ClientSampleId :
JHGL0

Tgt Ion:142 Resp: 44230
Ion Ratio Lower Upper
142 100
141 85.7 70.6 106.0

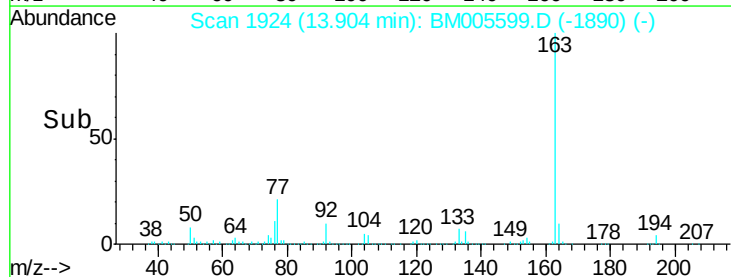
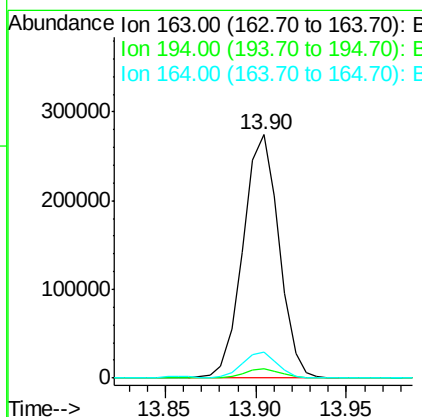
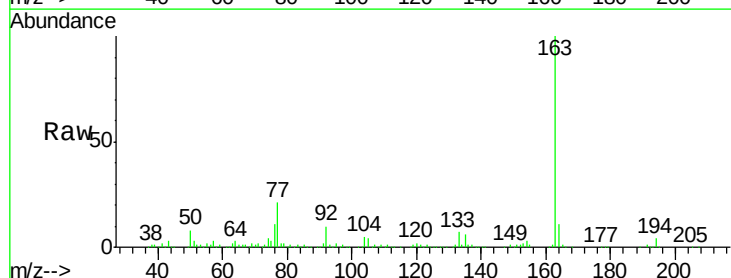
Manual Integrations
APPROVED

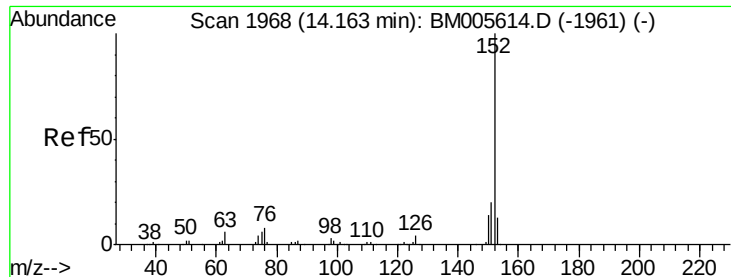
umangi
5/23/2016 8:35:56 PM



#44
Dimethylphthalate
Concen: 11.79 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Tgt Ion:163 Resp: 374187
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.6 8.0 12.0





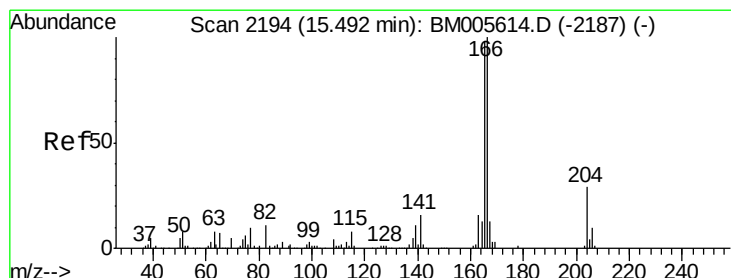
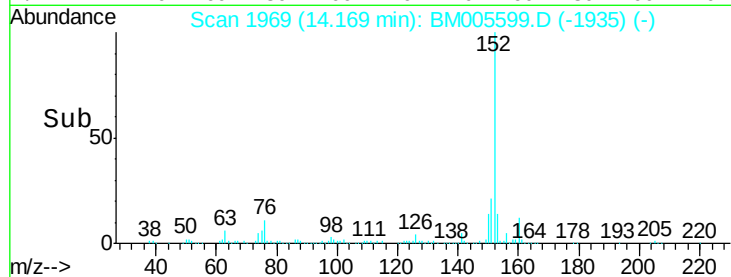
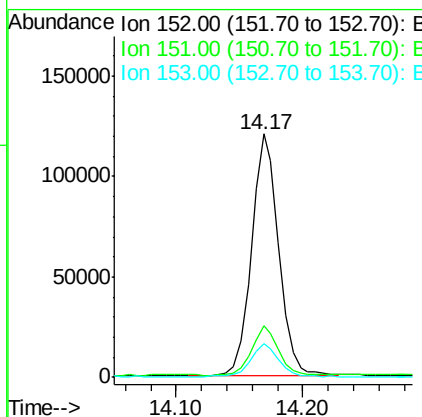
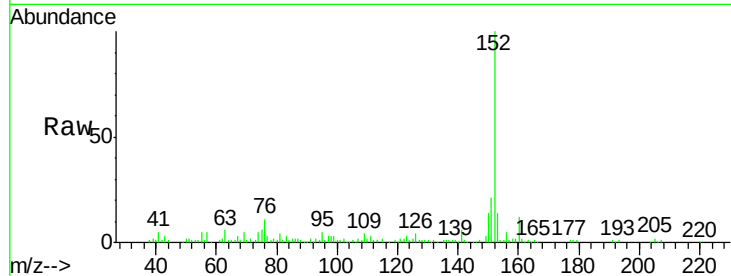
#47
Acenaphthylene
Concen: 4.41 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Instrument :
BNA_M
ClientSampleId :
JHGL0

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	21.4	15.7	23.5
153	13.9	10.5	15.7

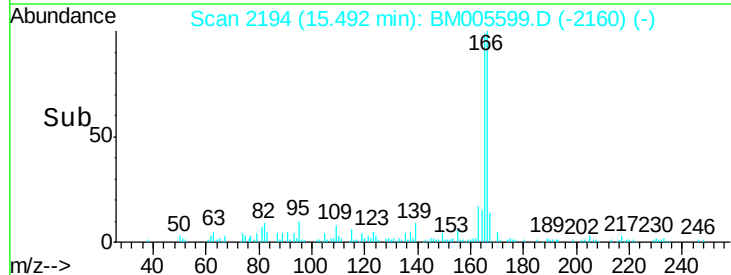
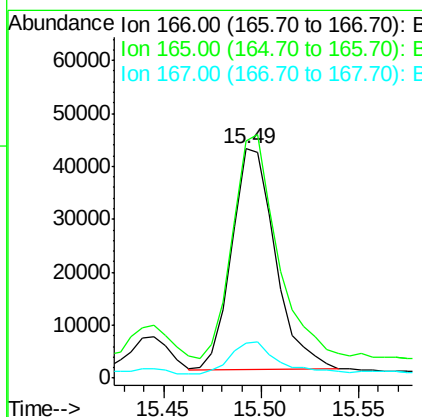
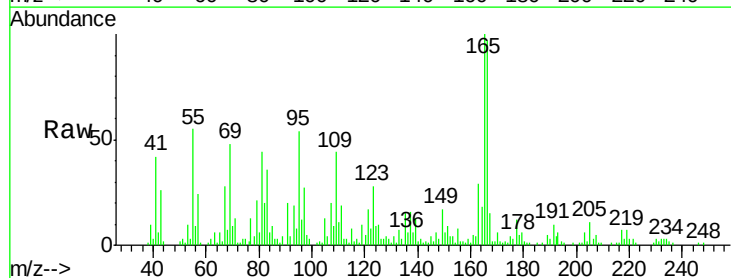
Manual Integrations
APPROVED

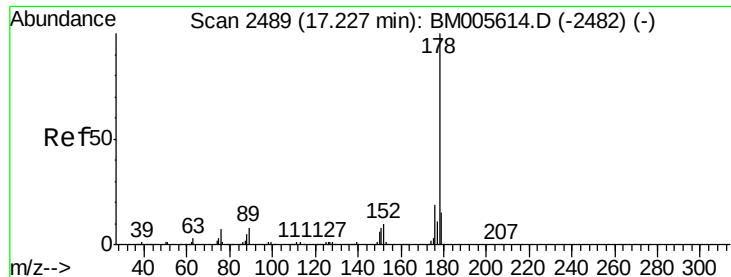
umangi
5/23/2016 8:35:56 PM



#58
Fluorene
Concen: 2.11 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	103.5	78.0	117.0
167	15.4	10.5	15.7





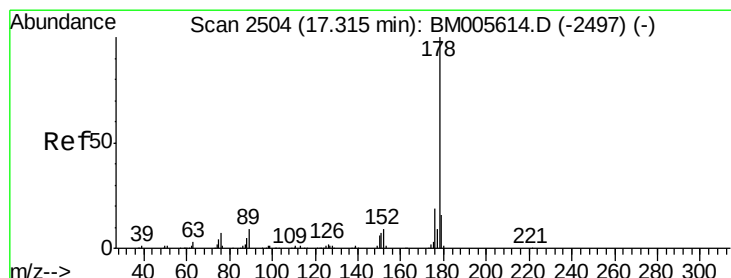
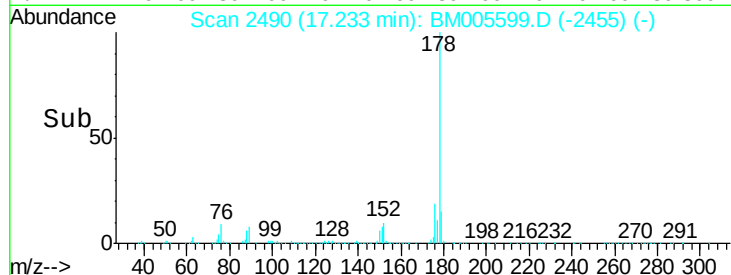
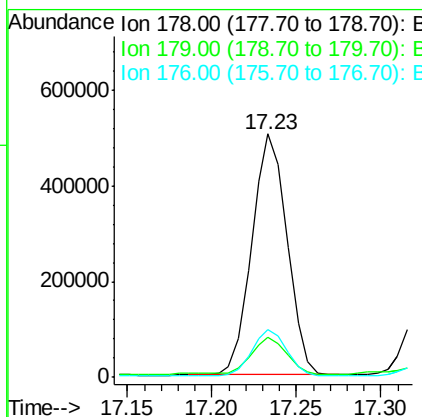
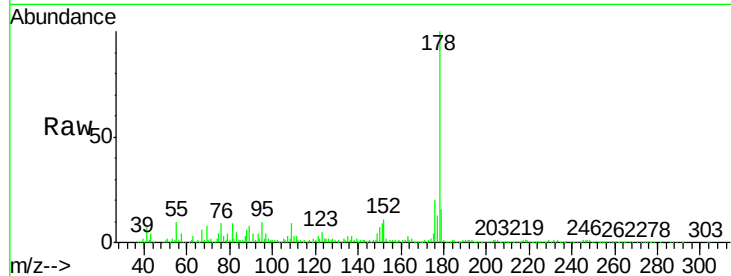
#69
 Phenanthrene
 Concen: 15.74 ng/ul
 RT: 17.23 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

Instrument :
 BNA_M
 ClientSampleId :
 JHGL0

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	731349		
179	16.3	12.2	18.2	
176	19.6	15.8	23.6	

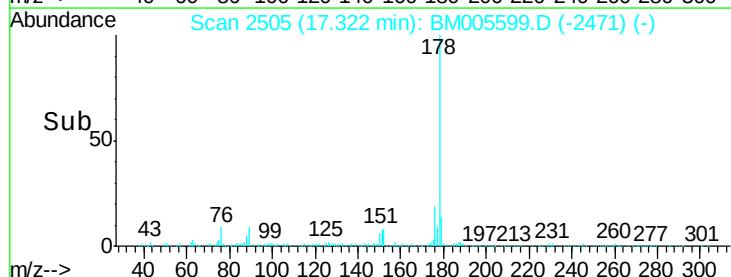
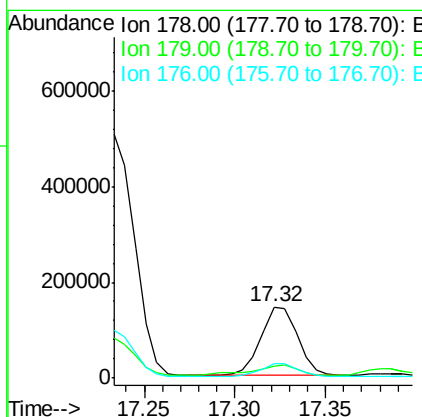
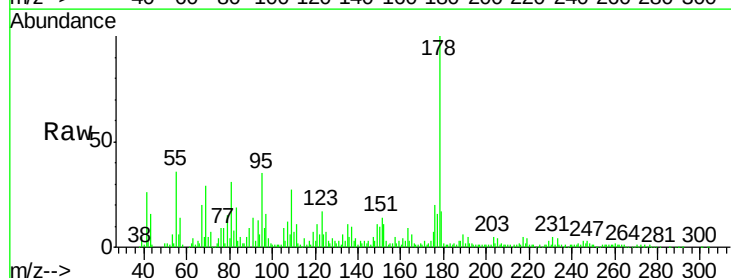
Manual Integrations
 APPROVED

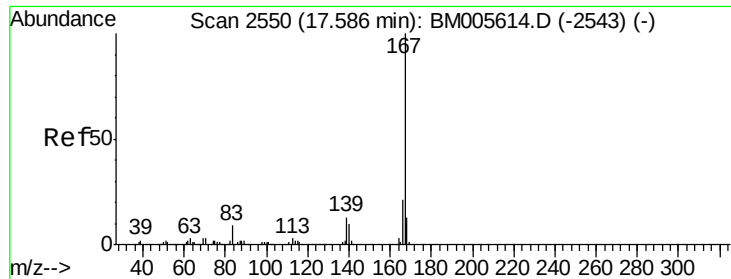
umangi
 5/23/2016 8:35:56 PM



#71
 Anthracene
 Concen: 4.32 ng/ul
 RT: 17.32 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	204749		
179	17.5	12.6	18.8	
176	20.3	15.0	22.4	





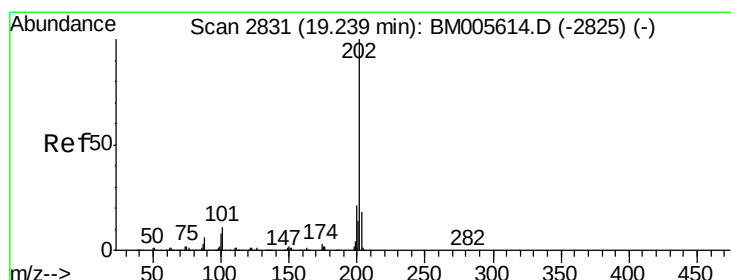
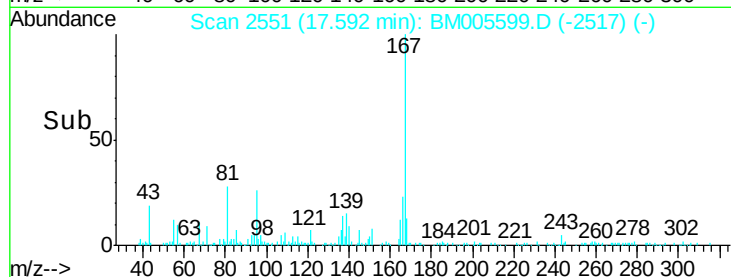
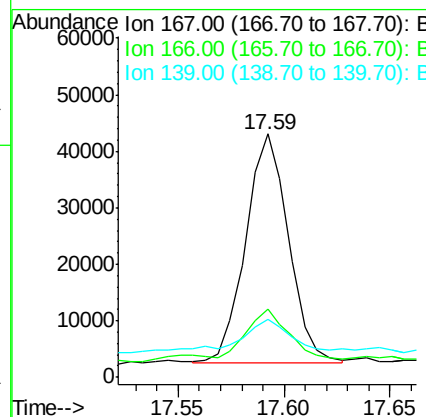
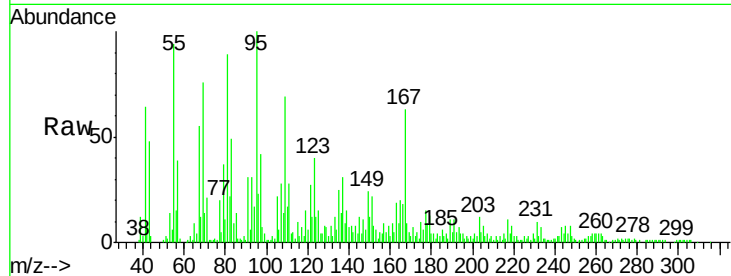
#72
 Carbazole
 Concen: 1.39 ng/ul
 RT: 17.59 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

Instrument :
 BNA_M
 ClientSampled :
 JHGL0

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	28.2	16.9	25.3#
139	23.7	10.6	16.0#

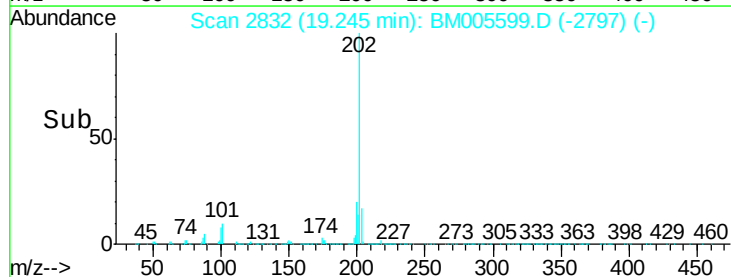
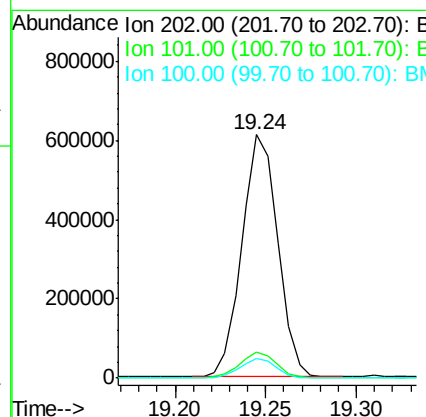
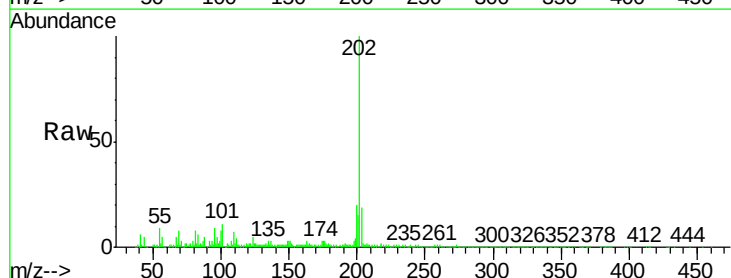
Manual Integrations
 APPROVED

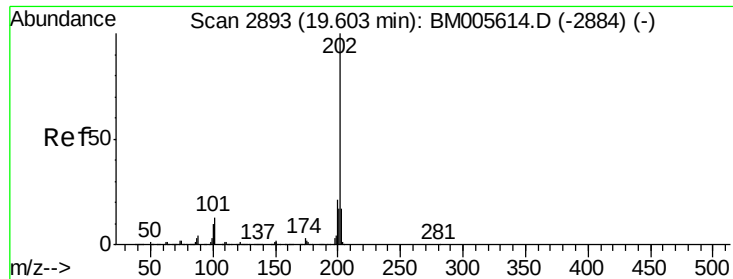
umangi
 5/23/2016 8:35:56 PM



#74
 Fluoranthene
 Concen: 16.04 ng/ul
 RT: 19.24 min Scan# 2832
 Delta R.T. 0.01 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.6	7.9	11.9
100	8.0	5.6	8.4





#77

Pyrene

Concen: 16.55 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

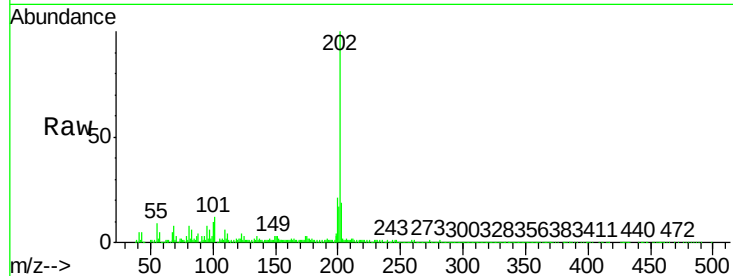
ClientSampleId :

JHGL0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	839953		
101	12.2	9.6	14.4	
100	10.0	7.8	11.6	

Manual Integrations
APPROVED

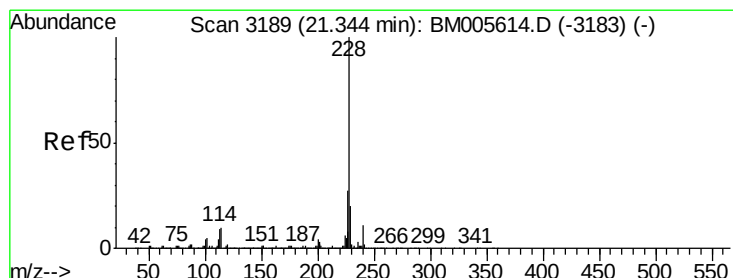
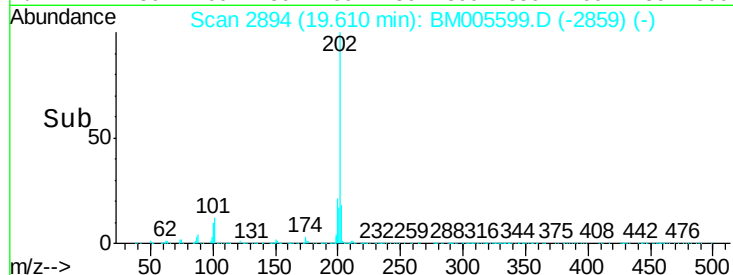
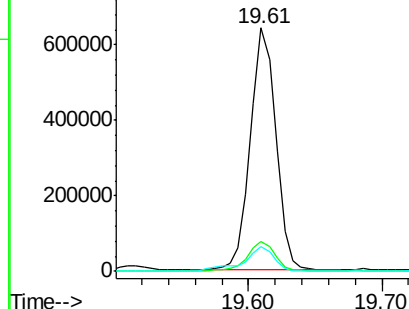
umangi
5/23/2016 8:35:56 PM



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): E



#80

Benzo(a)anthracene

Concen: 8.95 ng/ul m

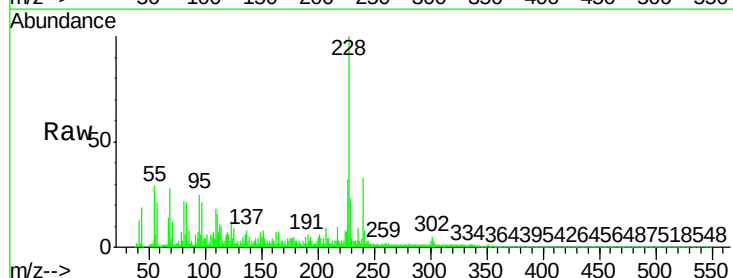
RT: 21.35 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

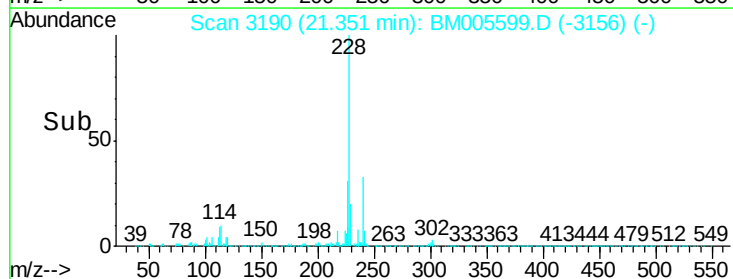
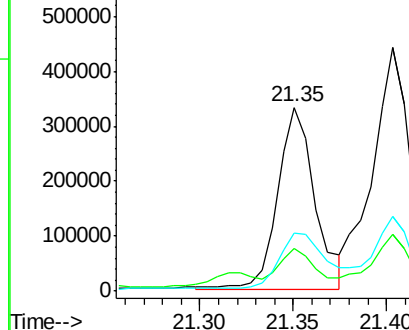
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	464525		
229	23.0	15.4	23.2	
226	31.9	21.0	31.4	

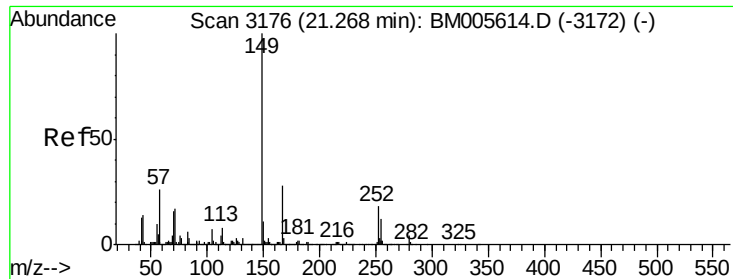


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.94 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BM005599.D

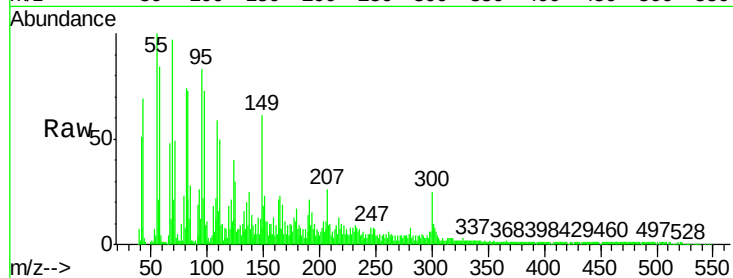
Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampled :

JHGL0



Tgt Ion:149 Resp: 58489

Ion Ratio Lower Upper

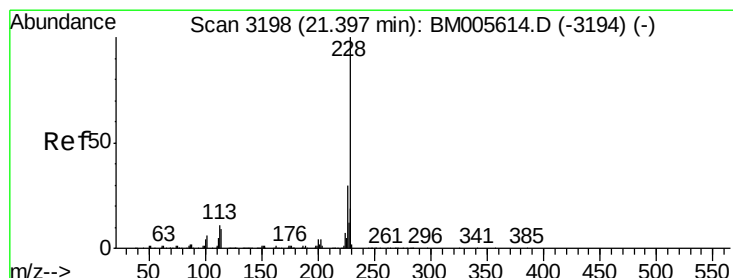
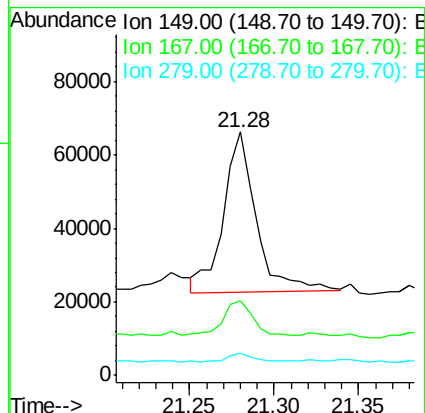
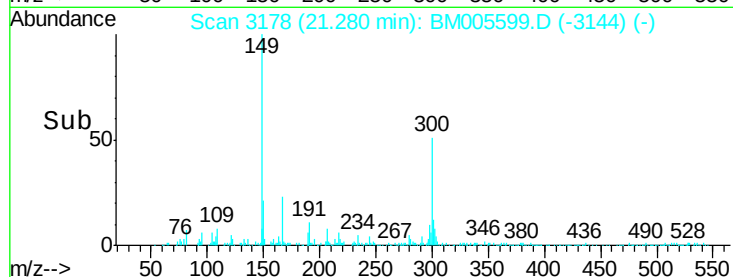
149 100

167 30.7 22.0 33.0

279 8.9 3.8 5.8#

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:56 PM



#82

Chrysene

Concen: 12.20 ng/ul

RT: 21.40 min Scan# 3199

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

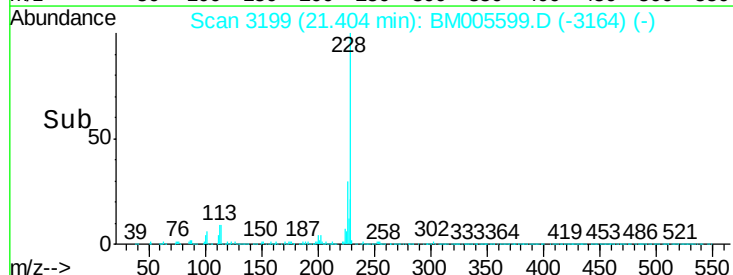
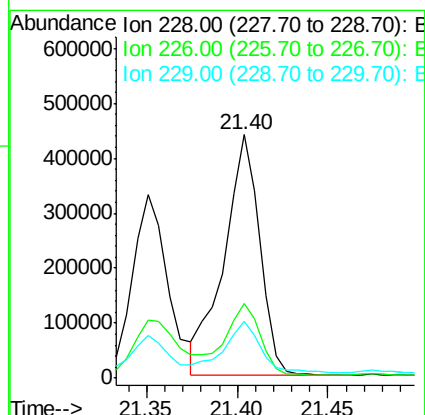
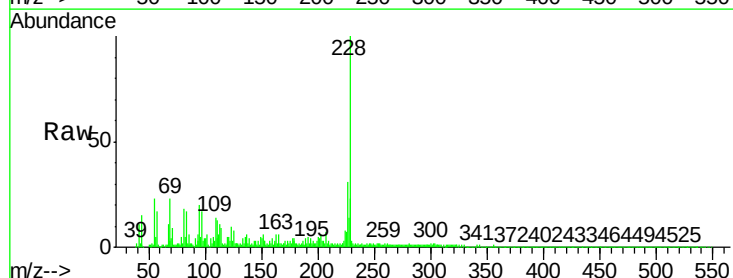
Tgt Ion:228 Resp: 602090

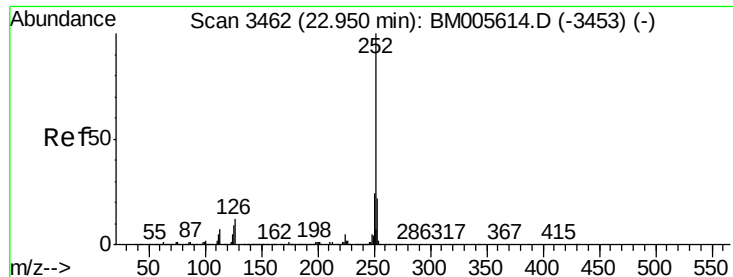
Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 23.1 15.5 23.3





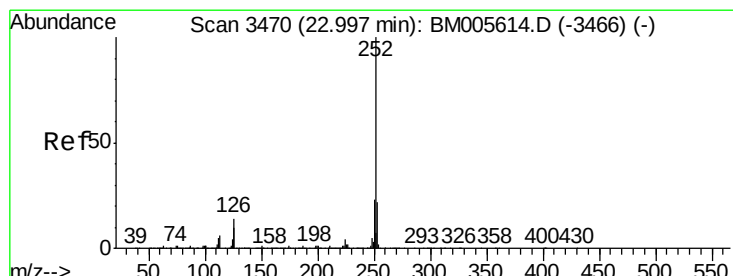
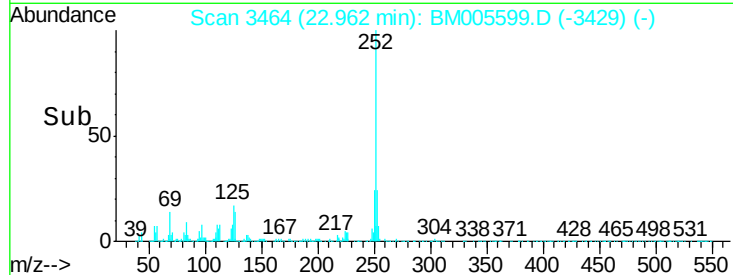
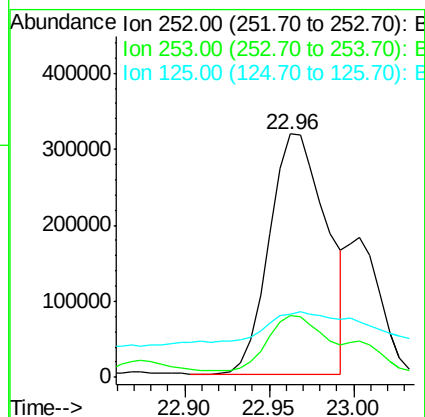
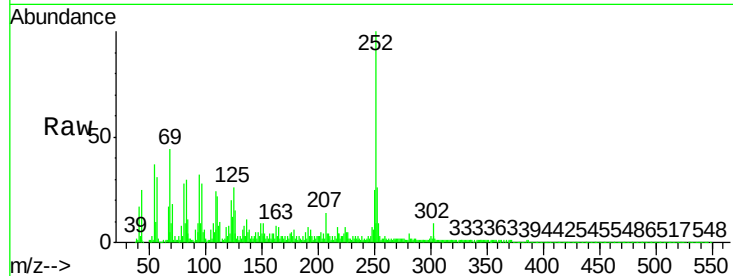
#85
Benzo(b)fluoranthene
Concen: 16.32 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Instrument :
BNA_M
ClientSampleId :
JHGL0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.3	25.9
125	26.1	7.0	10.4

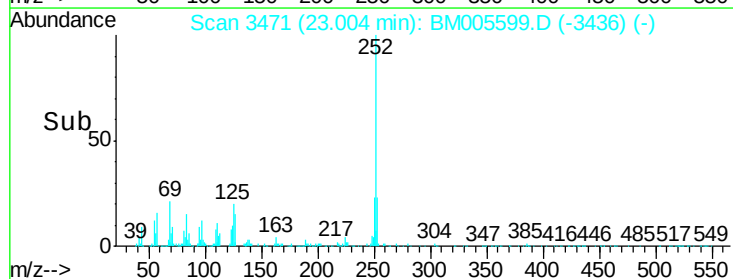
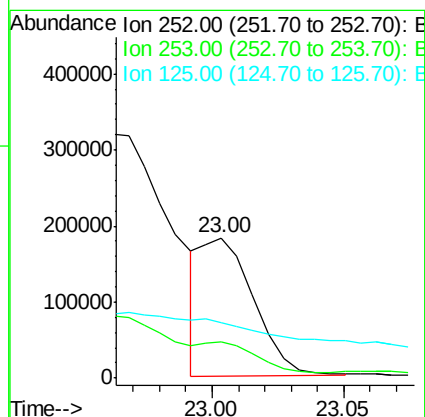
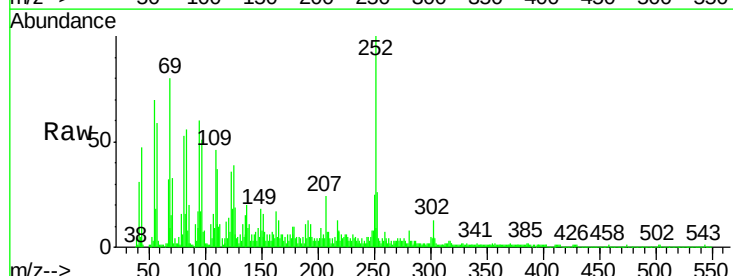
Manual Integrations
APPROVED

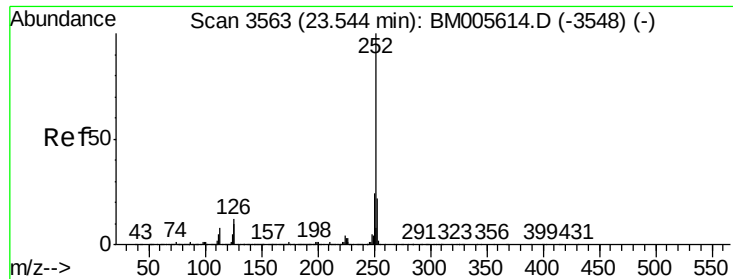
umangi
5/23/2016 8:35:56 PM



#86
Benzo(k)fluoranthene
Concen: 5.85 ng/ul m
RT: 23.00 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3
125	39.2	7.0	10.6





#88

Benzo(a)pyrene

Concen: 10.35 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

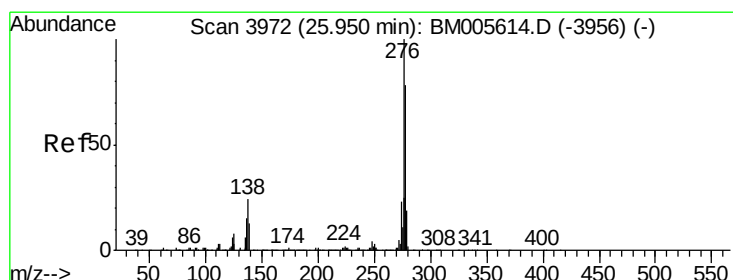
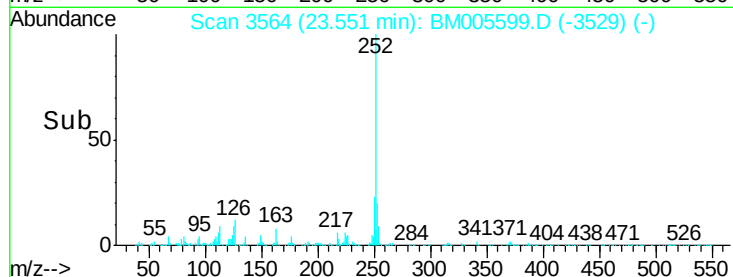
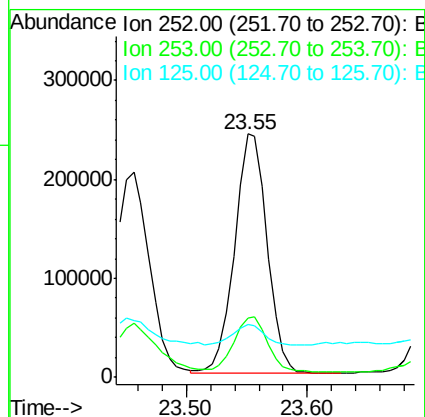
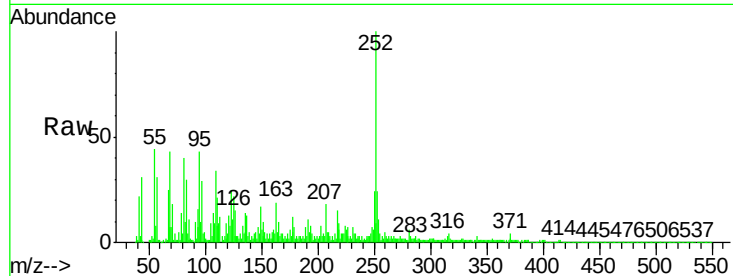
ClientSampleId :

JHGL0

Tgt Ion:	252	Resp:	455765
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.6	26.4
125	21.6	7.6	11.4#

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:56 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.51 ng/ul

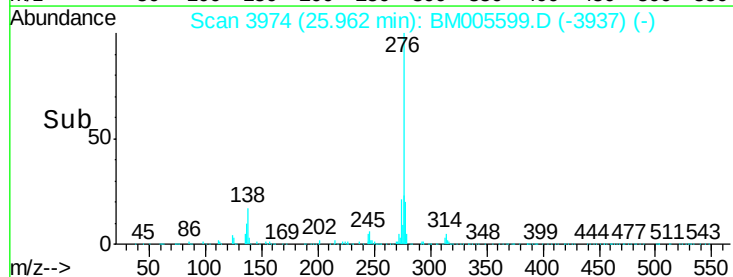
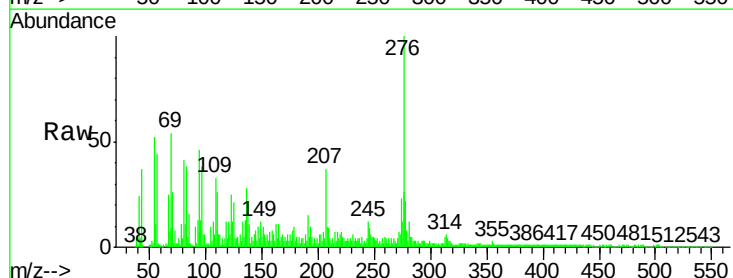
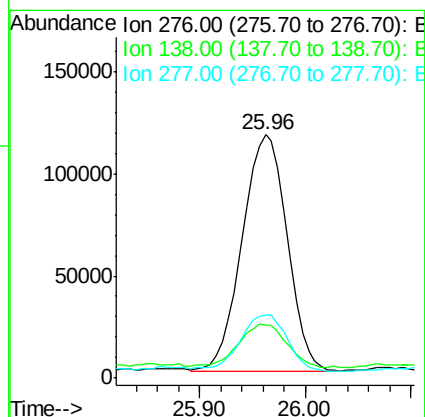
RT: 25.96 min Scan# 3974

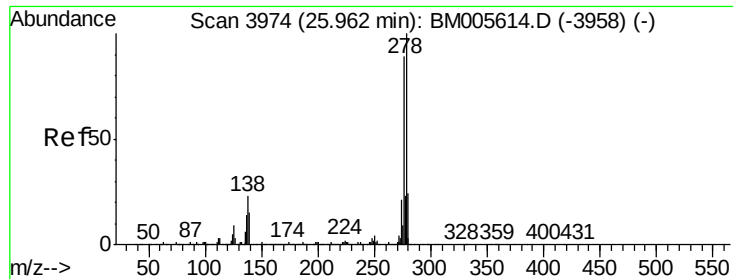
Delta R.T. 0.02 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Tgt Ion:	276	Resp:	340646
Ion Ratio	Lower	Upper	
276	100		
138	21.6	16.9	25.3
277	25.7	20.2	30.4





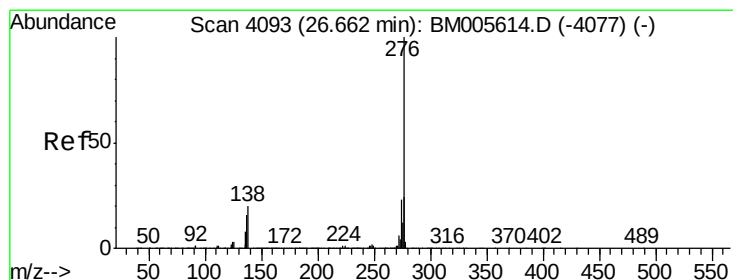
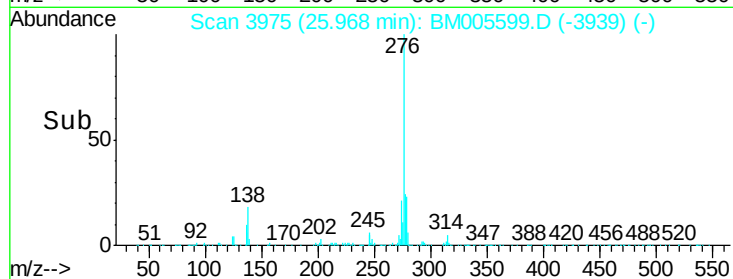
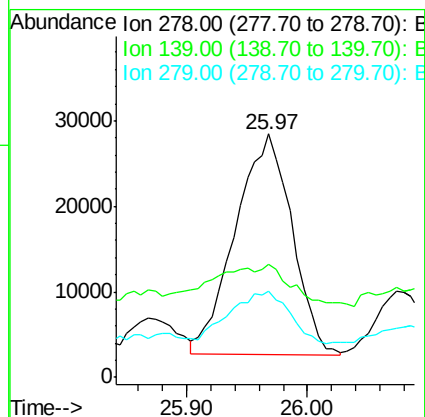
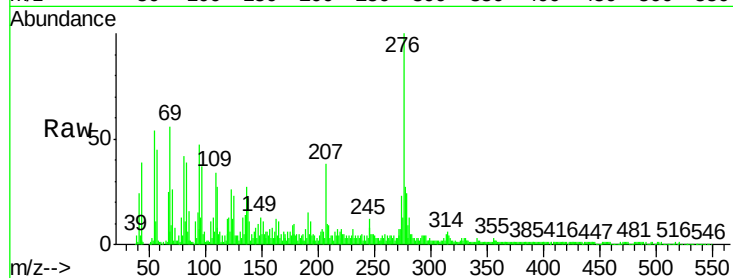
#90
Dibenzo(a,h)anthracene
Concen: 1.94 ng/ul
RT: 25.97 min Scan# 3975
Delta R.T. 0.01 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Instrument :
BNA_M
ClientSampleId :
JHGL0

Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.4	11.8	17.6#
279	35.2	19.4	29.2#

Manual Integrations
APPROVED

umangi
5/23/2016 8:35:56 PM



#91
Benzo(g,h,i)perylene
Concen: 7.72 ng/ul
RT: 26.67 min Scan# 4095
Delta R.T. 0.02 min
Lab File: BM005599.D
Acq: 22 May 2016 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	15.0	22.6
277	25.9	18.6	28.0

