

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005579.D
 Acq On : 22 May 2016 08:28
 Operator : UM/SJ
 Sample : H2890-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT3

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:33:01 PM

Quant Time: May 23 08:09:25 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	111415	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	472012	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	276842	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	643410	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	672411	20.00	ng/ul	0.02
83) Perylene-d12	23.68	264	746484	20.00	ng/ul	0.04

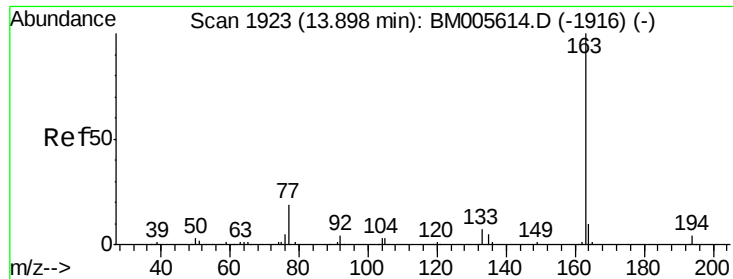
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	8694	3.42	ng/uL	0.02
5) Phenol-d5	7.00	99	199413	21.84	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	106932	20.20	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	160196	21.03	ng/ul	0.02
13) 4-Methylphenol-d8	8.53	113	154216	20.61	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	76951	21.32	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	89262	22.47	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.24	165	163759	21.89	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	124141	16.57	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	499205	22.09	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	624280	22.10	ng/ul	0.01
51) 4-Nitrophenol-d4	14.67	143	96089	22.48	ng/ul	0.02
57) Fluorene-d10	15.45	176	439117	22.33	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.57	200	64324	17.38	ng/ul	0.01
70) Anthracene-d10	17.30	188	664236	21.67	ng/ul	0.01
76) Pyrene-d10	19.60	212	729129	23.94	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	764029	21.92	ng/ul	0.04

Target Compounds

						Qvalue
44) Dimethylphthalate	13.92	163	169744	7.60	ng/ul	100
47) Acenaphthylene	14.18	152	34927	1.22	ng/ul	97
49) Acenaphthene	14.52	153	43024	2.27	ng/ul	99
53) Dibenzofuran	14.86	168	33979	1.26	ng/ul	100
58) Fluorene	15.50	166	33048	1.53	ng/ul	96
69) Phenanthrene	17.24	178	1101526	30.63	ng/ul	99
71) Anthracene	17.33	178	220979	6.03	ng/ul	99
72) Carbazole	17.60	167	196372	6.17	ng/ul	98
74) Fluoranthene	19.26	202	2310498	57.08	ng/ul	98
77) Pyrene	19.63	202	1900627	49.17	ng/ul	97
80) Benzo(a)anthracene	21.37	228	1263849	31.98	ng/ul	96
82) Chrysene	21.42	228	1327647	35.31	ng/ul	96
85) Benzo(b)fluoranthene	22.99	252	1917648	43.55	ng/ul	98
86) Benzo(k)fluoranthene	23.03	252	539426m	12.94	ng/ul	
88) Benzo(a)pyrene	23.58	252	1086864	25.45	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.00	276	855304	16.86	ng/ul	97
90) Dibenzo(a,h)anthracene	26.00	278	257766	6.10	ng/ul#	91
91) Benzo(g,h,i)perylene	26.72	276	751767	17.63	ng/ul	98

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



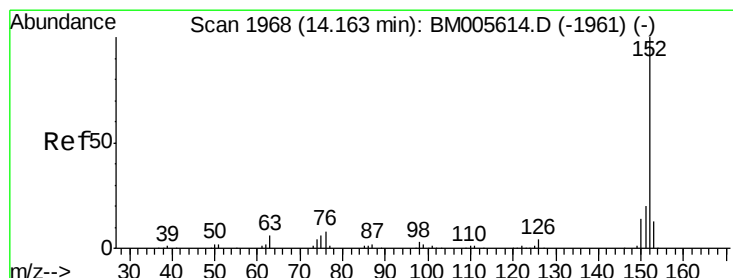
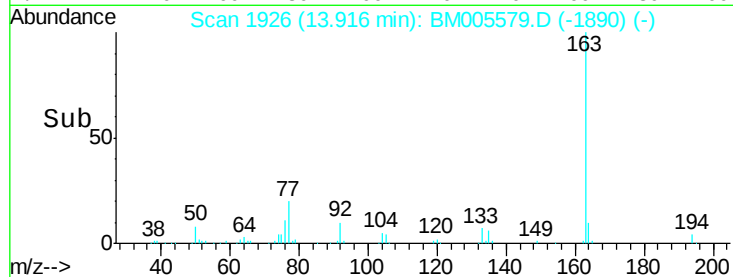
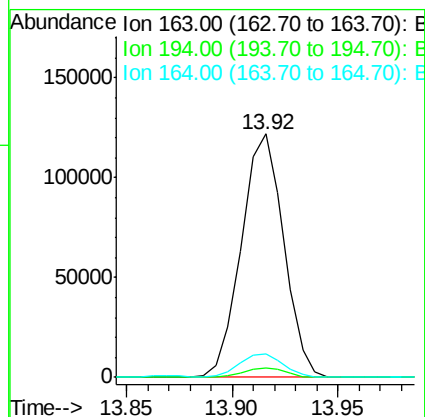
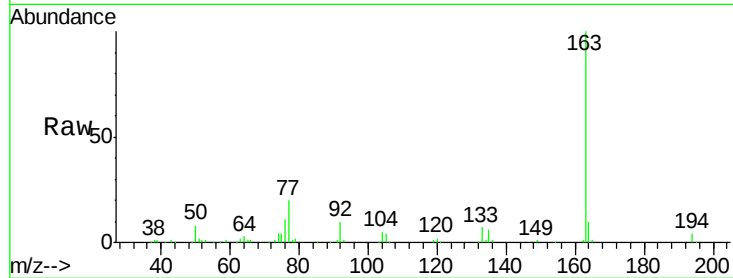
#44
Dimethylphthalate
Concen: 7.60 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. 0.01 min
Lab File: BM005579.D
Acq: 22 May 2016 08:28

Instrument :
BNA_M
ClientSampleId :
D9WT3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	169744		
194	4.1	3.4	5.0	
164	9.9	8.0	12.0	

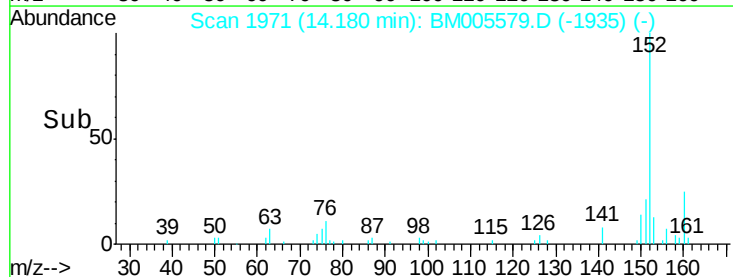
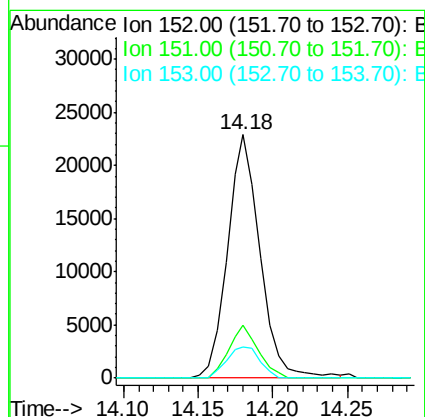
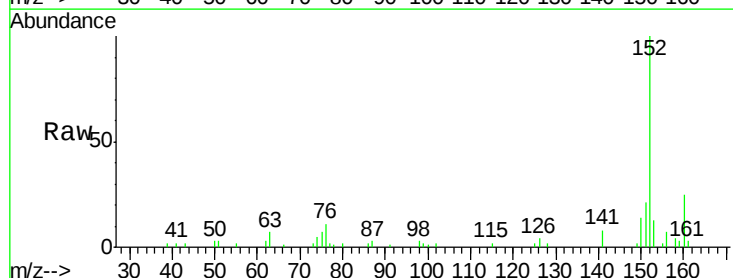
Manual Integrations
APPROVED

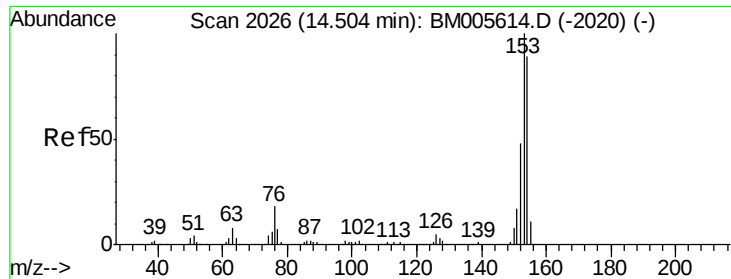
umangi
5/23/2016 8:33:01 PM



#47
Acenaphthylene
Concen: 1.22 ng/ul
RT: 14.18 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BM005579.D
Acq: 22 May 2016 08:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	34927		
151	21.5	15.7	23.5	
153	13.0	10.5	15.7	





#49

Acenaphthene

Concen: 2.27 ng/ul

RT: 14.52 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Instrument :

BNA_M

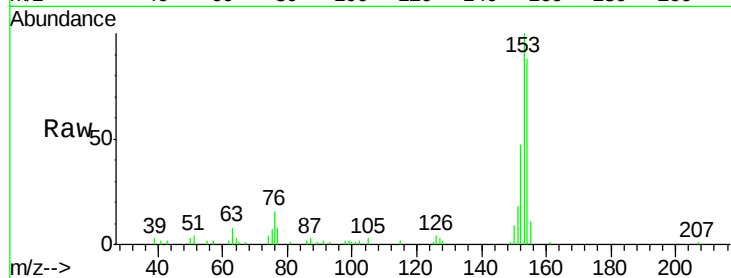
ClientSampleId :

D9WT3

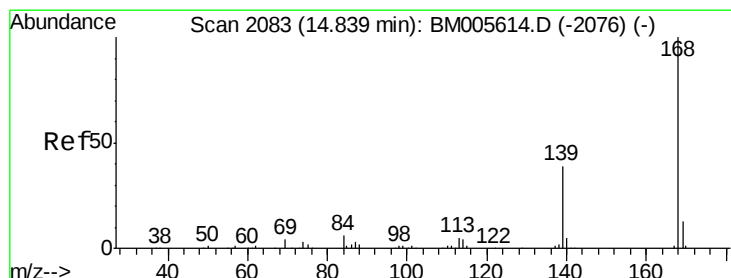
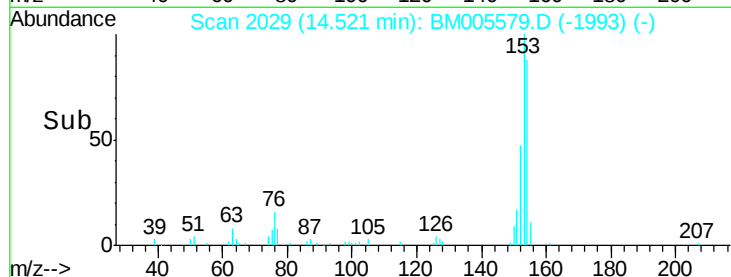
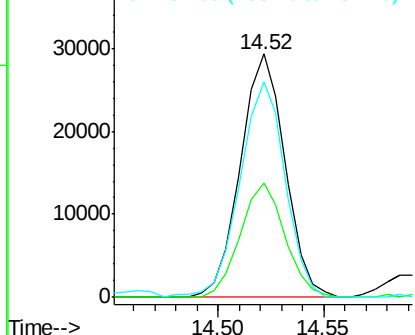
Tgt Ion:	153	Resp:	43024
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.8	56.6
154	88.2	71.1	106.7

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.26 ng/ul

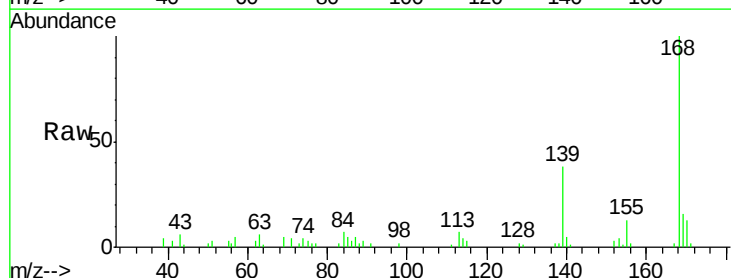
RT: 14.86 min Scan# 2086

Delta R.T. 0.01 min

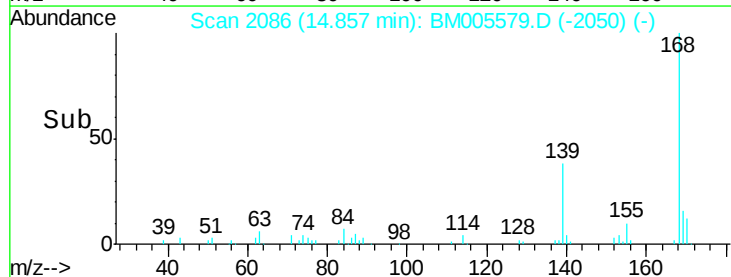
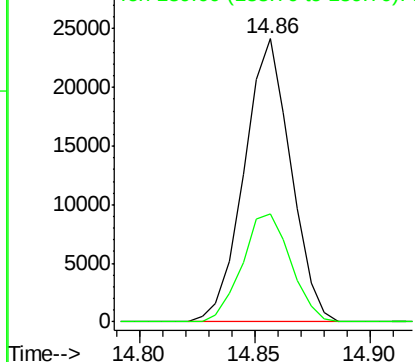
Lab File: BM005579.D

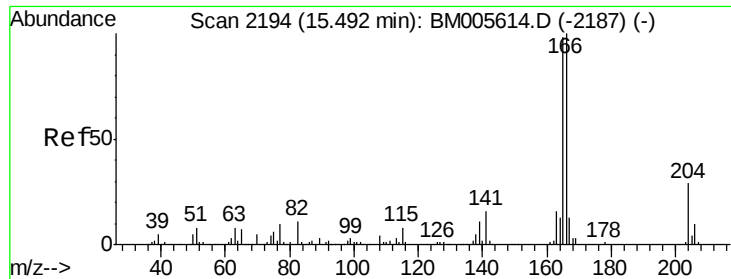
Acq: 22 May 2016 08:28

Tgt Ion:	168	Resp:	33979
Ion Ratio	Lower	Upper	
168	100		
139	38.3	30.6	46.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





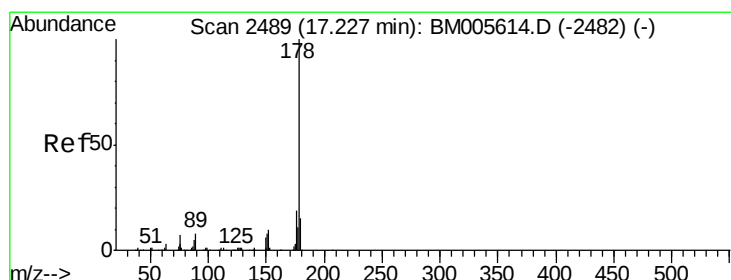
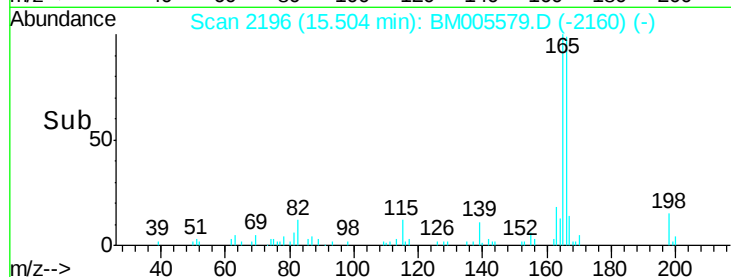
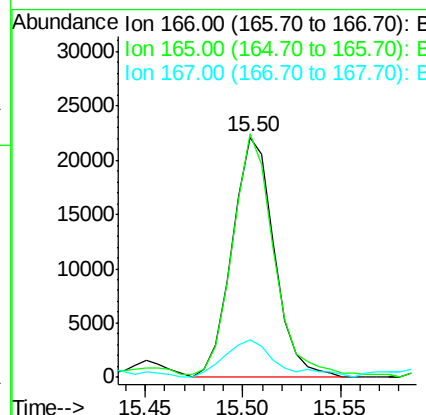
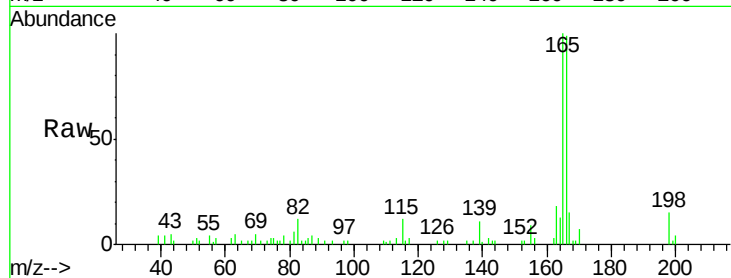
#58
Fluorene
 Concen: 1.53 ng/ul
 RT: 15.50 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BM005579.D
 Acq: 22 May 2016 08:28

Instrument :
 BNA_M
 ClientSampleId :
 D9WT3

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	33048		
165	101.4	78.0	117.0	
167	15.6	10.5	15.7	

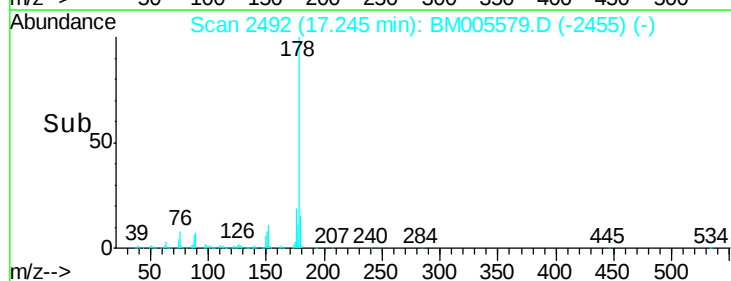
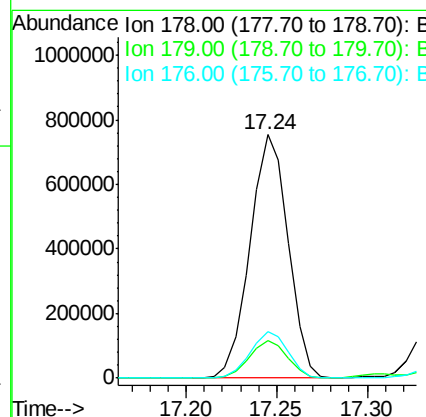
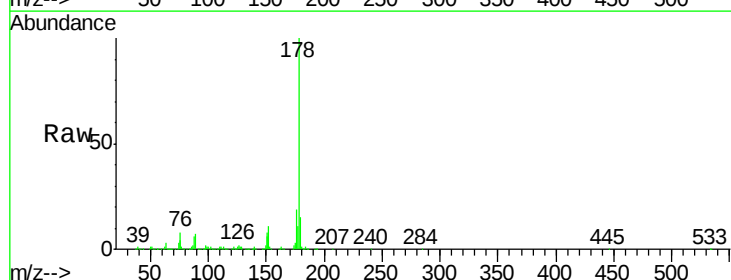
Manual Integrations
 APPROVED

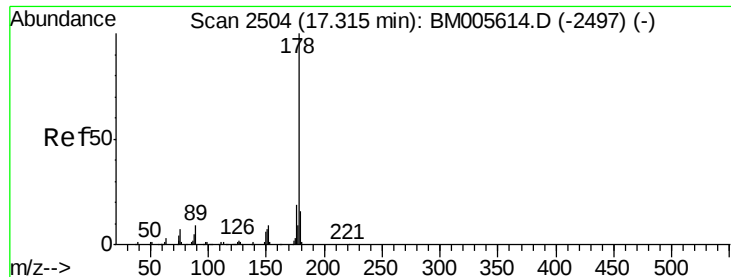
umangi
 5/23/2016 8:33:01 PM



#69
Phenanthrene
 Concen: 30.63 ng/ul
 RT: 17.24 min Scan# 2492
 Delta R.T. 0.02 min
 Lab File: BM005579.D
 Acq: 22 May 2016 08:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1101526		
179	15.2	12.2	18.2	
176	19.0	15.8	23.6	





#71

Anthracene

Concen: 6.03 ng/ul

RT: 17.33 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Instrument :

BNA_M

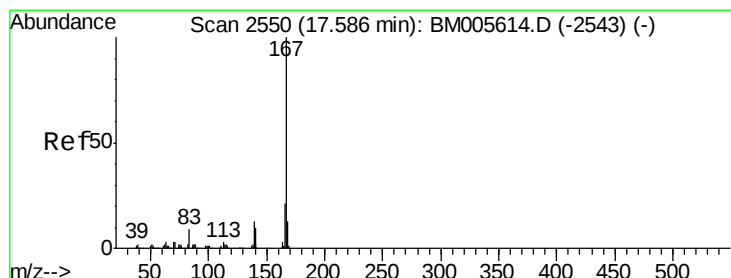
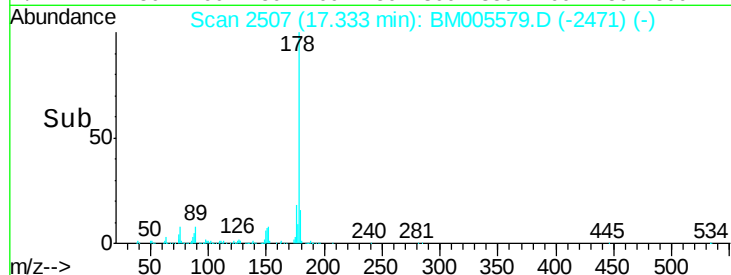
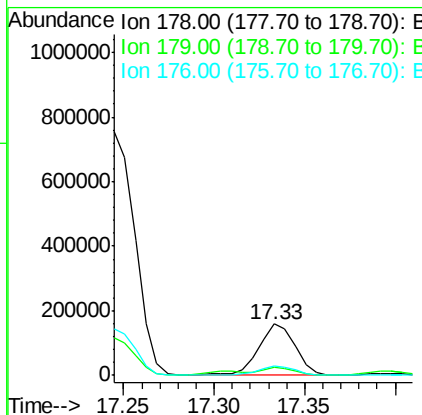
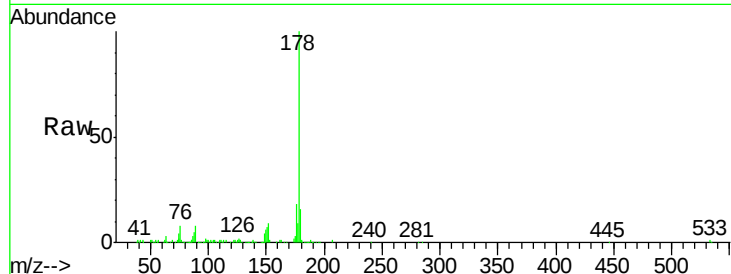
ClientSampled :

D9WT3

Tgt Ion:	178	Resp:	220979
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.6	18.8
176	17.8	15.0	22.4

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



#72

Carbazole

Concen: 6.17 ng/ul

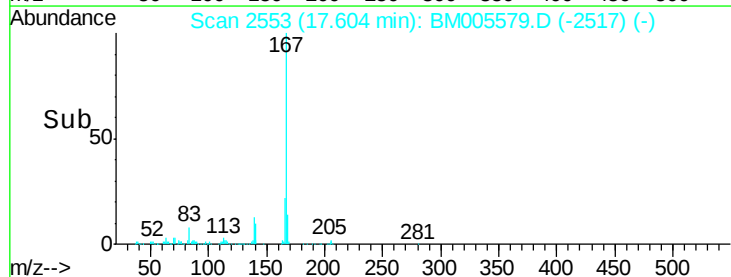
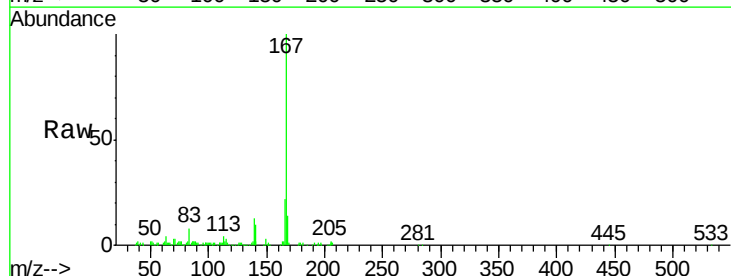
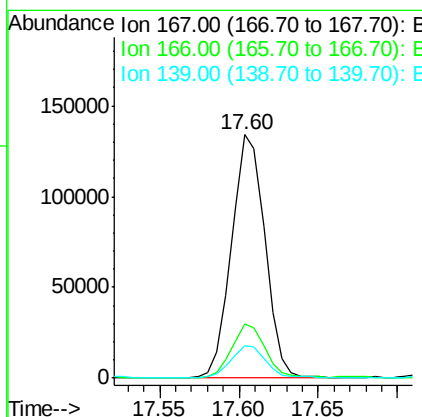
RT: 17.60 min Scan# 2553

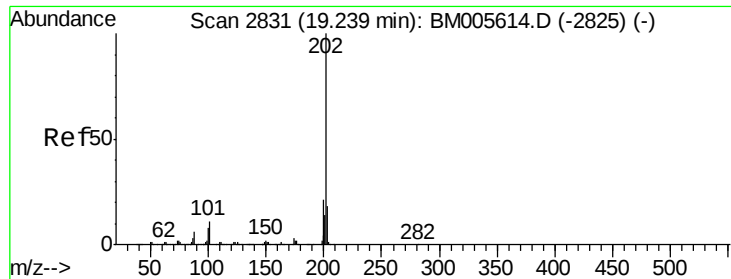
Delta R.T. 0.01 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Tgt Ion:	167	Resp:	196372
Ion Ratio	Lower	Upper	
167	100		
166	22.2	16.9	25.3
139	13.1	10.6	16.0





#74

Fluoranthene

Concen: 57.08 ng/ul

RT: 19.26 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Instrument :

BNA_M

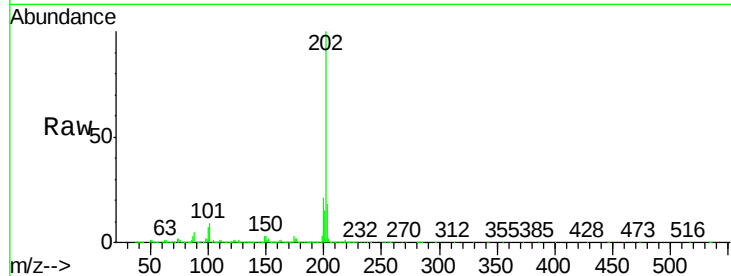
ClientSampleId :

D9WT3

Tgt Ion:	202	Resp:	2310498
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.9	11.9
100	6.7	5.6	8.4

Manual Integrations
APPROVED

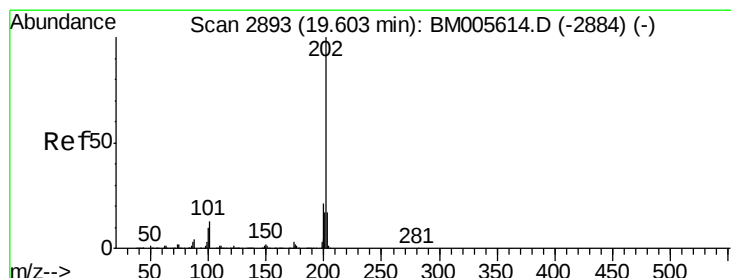
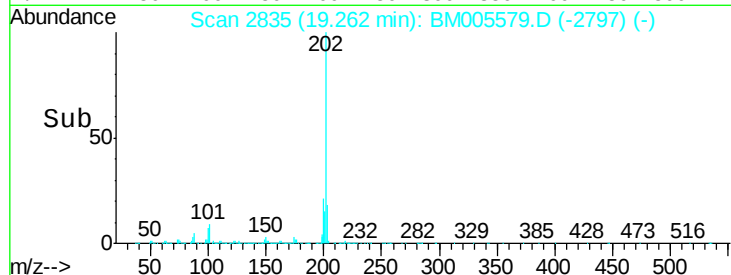
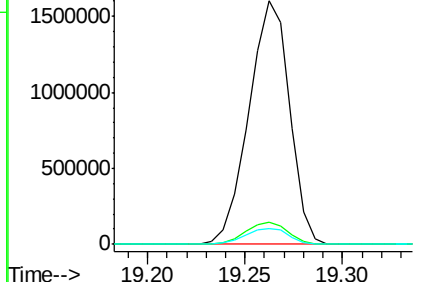
umangi
5/23/2016 8:33:01 PM



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



#77

Pyrene

Concen: 49.17 ng/ul

RT: 19.63 min Scan# 2897

Delta R.T. 0.02 min

Lab File: BM005579.D

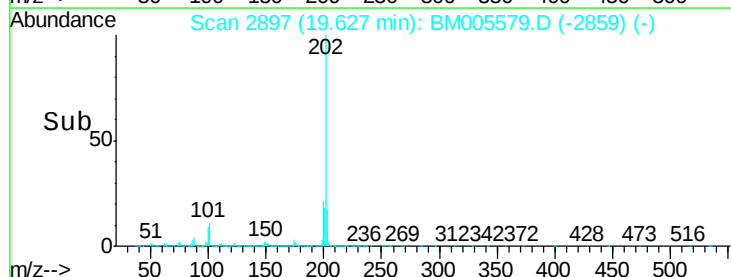
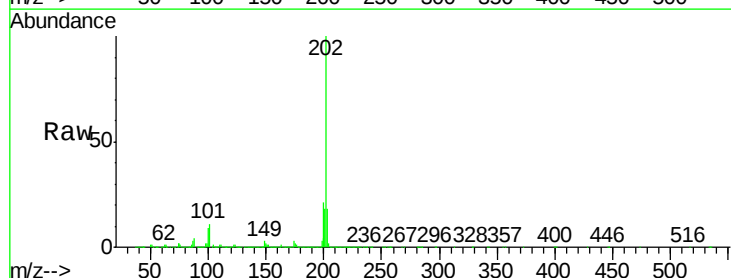
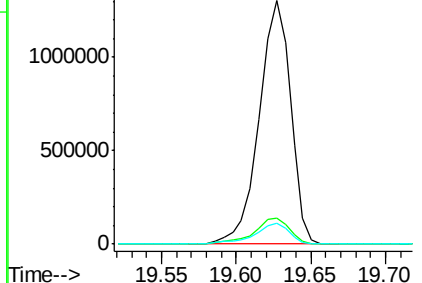
Acq: 22 May 2016 08:28

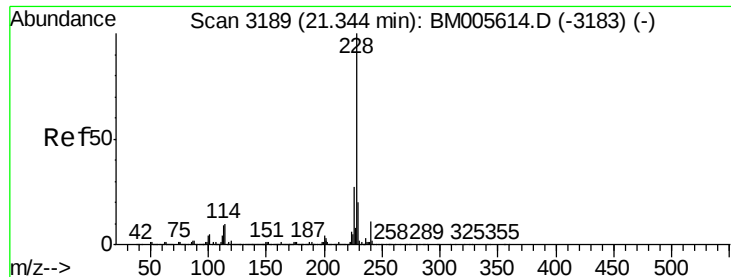
Tgt Ion:	202	Resp:	1900627
Ion Ratio	Lower	Upper	
202	100		
101	10.8	9.6	14.4
100	8.7	7.8	11.6

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





#80

Benzo(a)anthracene

Concen: 31.98 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BM005579.D

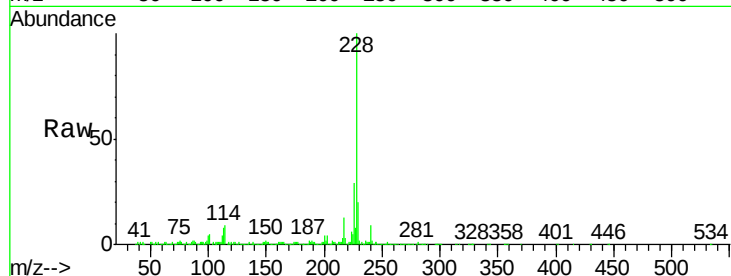
Acq: 22 May 2016 08:28

Instrument :

BNA_M

ClientSampleId :

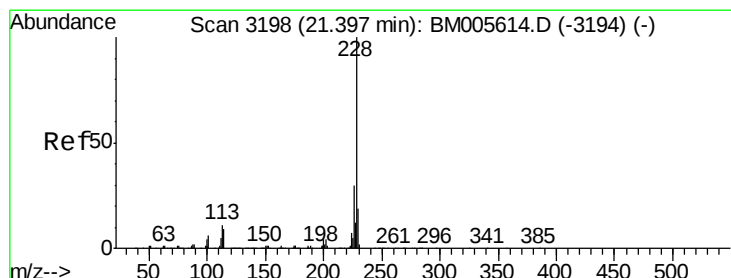
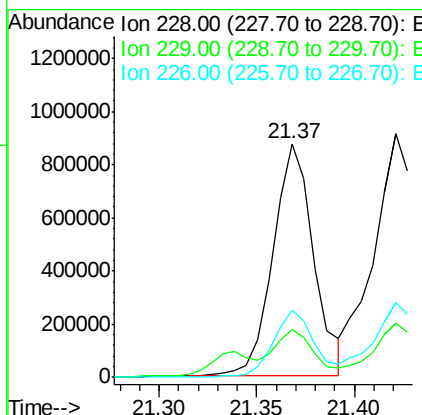
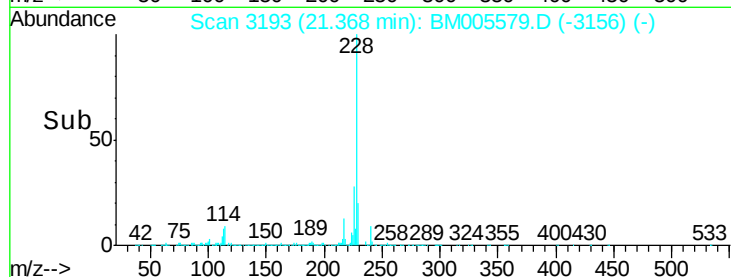
D9WT3



Tgt Ion:	228	Resp:	1263849
Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.2
226	28.6	21.0	31.4

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



#82

Chrysene

Concen: 35.31 ng/ul

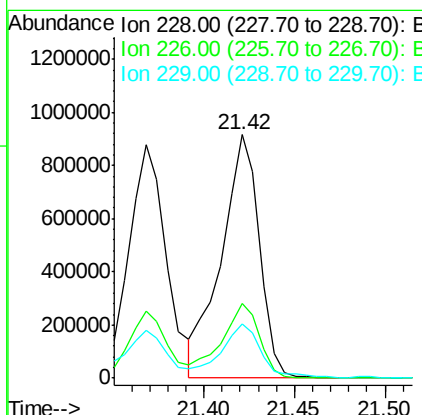
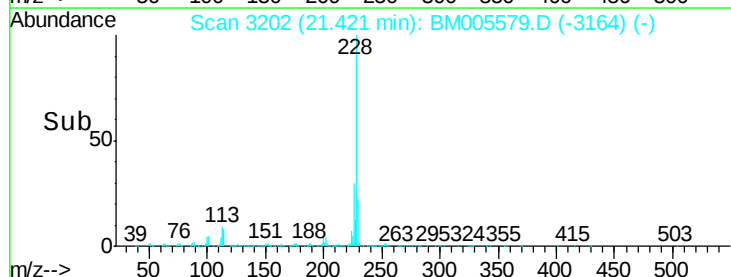
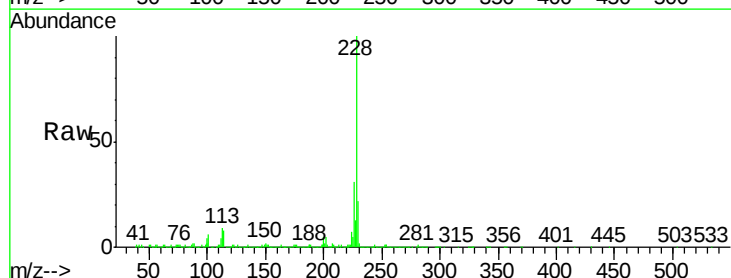
RT: 21.42 min Scan# 3202

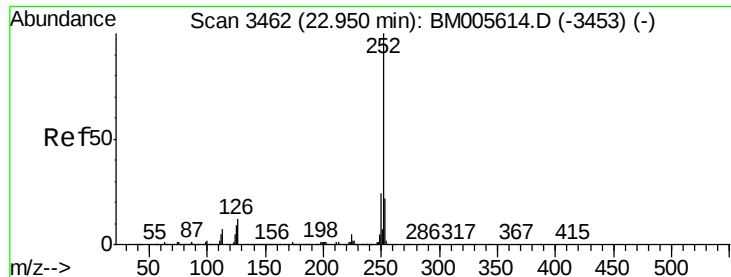
Delta R.T. 0.02 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Tgt Ion:	228	Resp:	1327647
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	22.5	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 43.55 ng/ul

RT: 22.99 min Scan# 3469

Delta R.T. 0.04 min

Lab File: BM005579.D

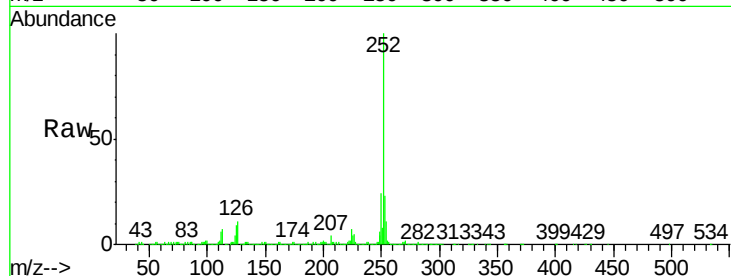
Acq: 22 May 2016 08:28

Instrument :

BNA_M

ClientSampleId :

D9WT3



Tgt Ion:252 Resp: 1917648

Ion Ratio Lower Upper

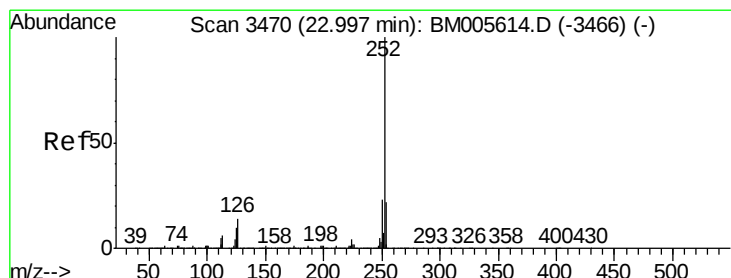
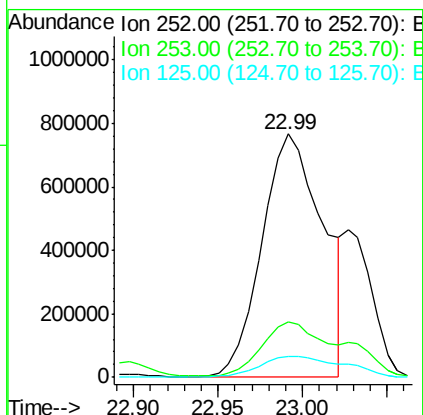
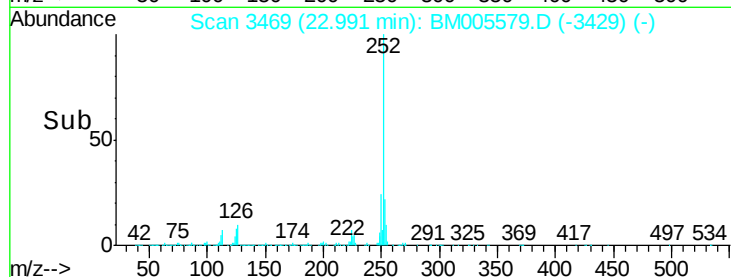
252 100

253 22.8 17.3 25.9

125 8.6 7.0 10.4

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



#86

Benzo(k)fluoranthene

Concen: 12.94 ng/ul m

RT: 23.03 min Scan# 3475

Delta R.T. 0.03 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

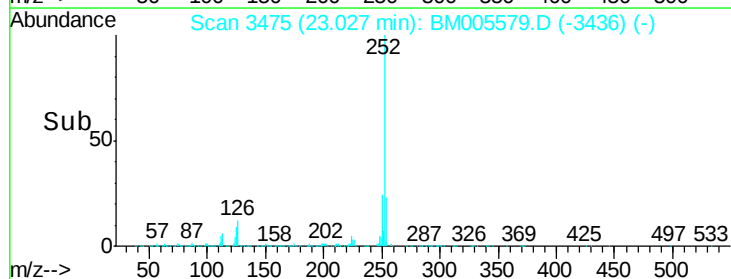
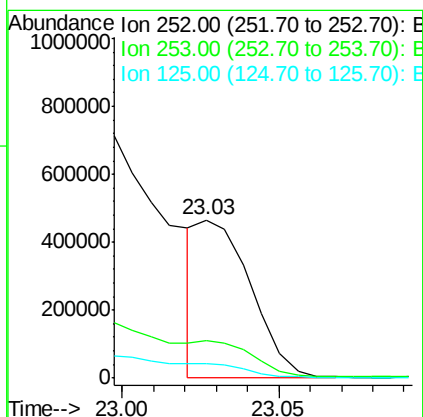
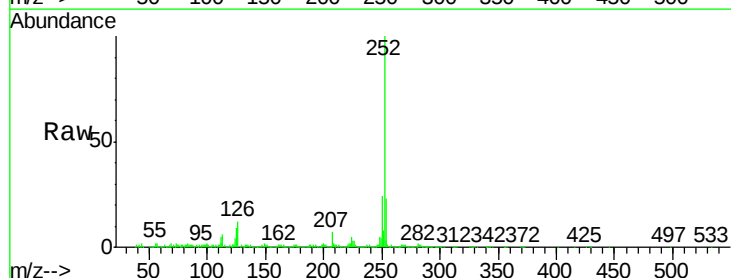
Tgt Ion:252 Resp: 539426

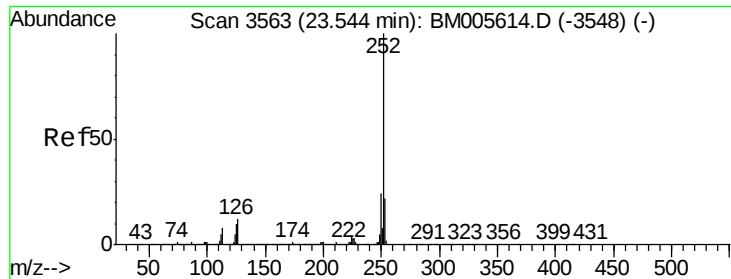
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.0 7.0 10.6





#88

Benzo(a)pyrene

Concen: 25.45 ng/ul

RT: 23.58 min Scan# 3569

Delta R.T. 0.04 min

Lab File: BM005579.D

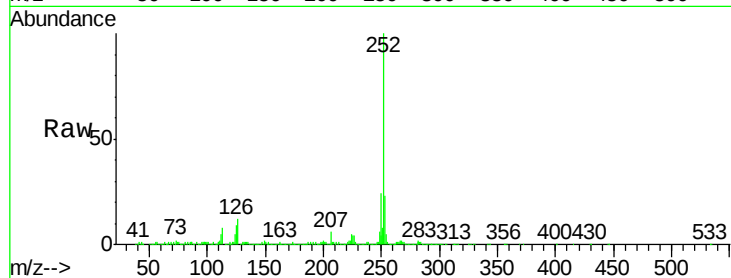
Acq: 22 May 2016 08:28

Instrument :

BNA_M

ClientSampleId :

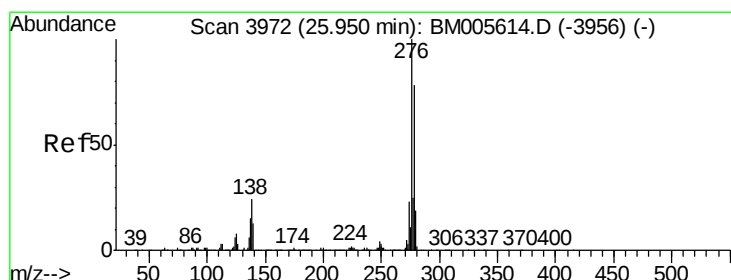
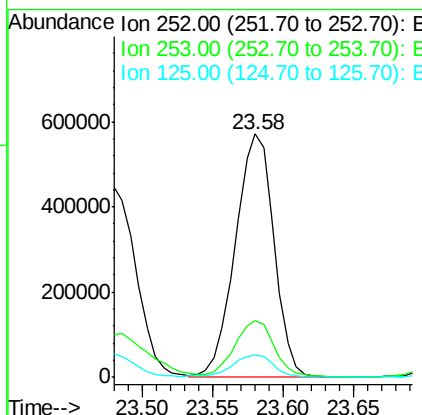
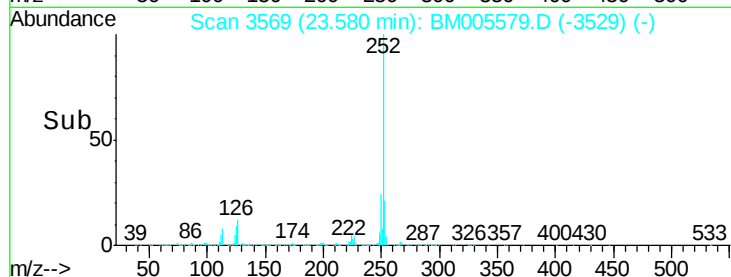
D9WT3



Tgt Ion:	252	Resp:	1086864
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	9.3	7.6	11.4

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 16.86 ng/ul

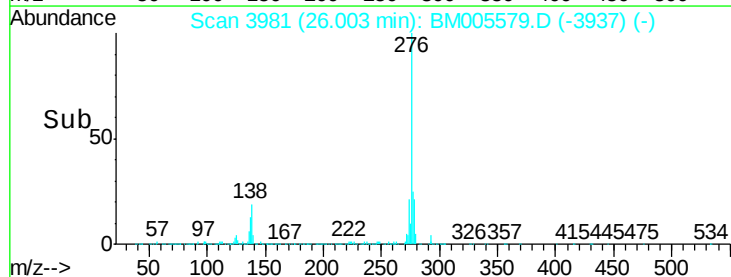
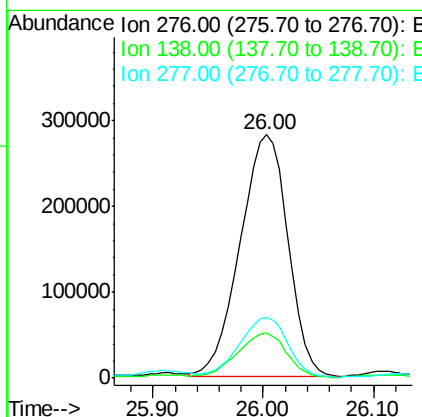
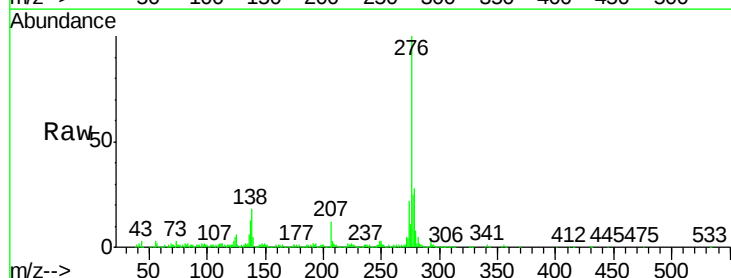
RT: 26.00 min Scan# 3981

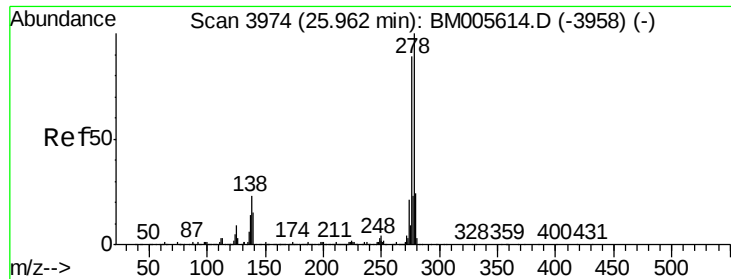
Delta R.T. 0.06 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Tgt Ion:	276	Resp:	855304
Ion Ratio	Lower	Upper	
276	100		
138	18.4	16.9	25.3
277	25.1	20.2	30.4





#90

Dibenzo(a,h)anthracene

Concen: 6.10 ng/ul

RT: 26.00 min Scan# 3981

Delta R.T. 0.05 min

Lab File: BM005579.D

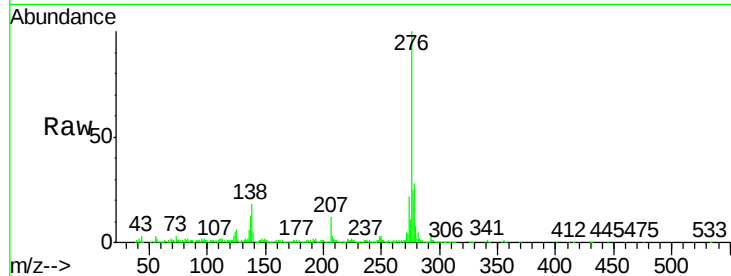
Acq: 22 May 2016 08:28

Instrument :

BNA_M

ClientSampleId :

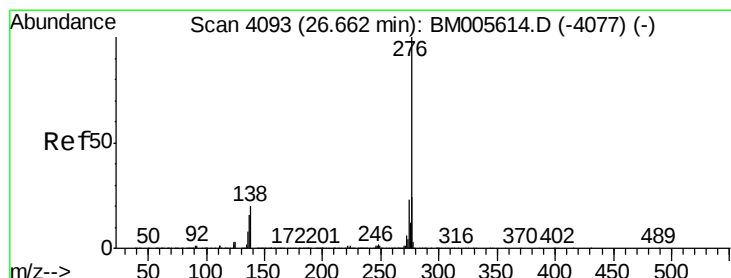
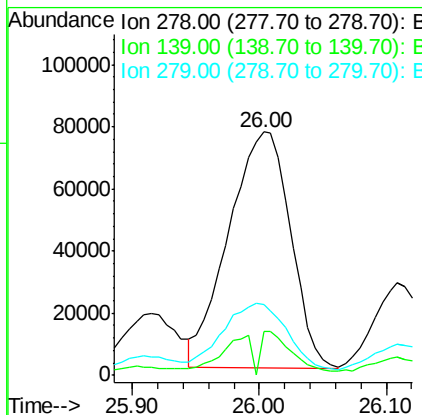
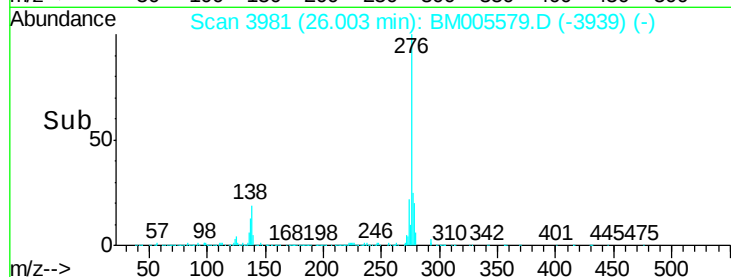
D9WT3



Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.8	17.6#
279	28.8	19.4	29.2

Manual Integrations
APPROVED

umangi
5/23/2016 8:33:01 PM



#91

Benzo(g,h,i)perylene

Concen: 17.63 ng/ul

RT: 26.72 min Scan# 4103

Delta R.T. 0.06 min

Lab File: BM005579.D

Acq: 22 May 2016 08:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	15.0	22.6
277	24.0	18.6	28.0

