

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005603.D
 Acq On : 23 May 2016 01:06
 Operator : UM/SJ
 Sample : H3086-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1

Manual Integrations
 APPROVED

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 5/23/2016 8:36:05 PM

Quant Time: May 23 08:01:07 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	7.82	152	99524	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	426502	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.47	164	224523	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.22	188	510129	20.00	ng/ul	0.04
75) Chrysene-d12	21.39	240	637890	20.00	ng/ul	0.02
83) Perylene-d12	23.68	264	580571	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	5851	2.58	ng/uL	0.00
5) Phenol-d5	7.00	99	191411	23.46	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	157259	33.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	151442	22.25	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	149596	22.38	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	75073	23.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	67330	18.76	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	160578	23.75	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	140701	20.78	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	422762	23.07	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	597288	26.07	ng/ul	0.02
51) 4-Nitrophenol-d4	14.68	143	122959	35.47	ng/ul	0.03
57) Fluorene-d10	15.46	176	397631	24.93	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	50936	17.36	ng/ul	0.01
70) Anthracene-d10	17.32	188	622152	25.60	ng/ul	0.03
76) Pyrene-d10	19.60	212	786567	27.23	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.53	264	644680	23.78	ng/ul	0.04

Target Compounds

					Qvalue
24) 2,4-Dimethylphenol	9.83	107	35291	4.42 ng/ul	91
44) Dimethylphthalate	13.92	163	146285	8.08 ng/ul#	74
49) Acenaphthene	14.53	153	453360	29.53 ng/ul	97
69) Phenanthrene	17.26	178	432028	15.15 ng/ul#	77
71) Anthracene	17.35	178	495900	17.07 ng/ul#	88
74) Fluoranthene	19.27	202	3014765	93.94 ng/ul	99
77) Pyrene	19.64	202	2970635	81.01 ng/ul	97
80) Benzo(a)anthracene	21.37	228	850501	22.68 ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.29	149	180115	8.25 ng/ul#	92
82) Chrysene	21.42	228	1090392	30.57 ng/ul#	93
85) Benzo(b)fluoranthene	22.99	252	974823	28.47 ng/ul#	78
86) Benzo(k)fluoranthene	23.03	252	244675m	7.55 ng/ul	
88) Benzo(a)pyrene	23.58	252	750725	22.60 ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.01	276	468286	11.87 ng/ul	96
90) Dibenzo(a,h)anthracene	26.00	278	108601	3.30 ng/ul#	54
91) Benzo(g,h,i)perylene	26.73	276	483688	14.58 ng/ul#	92

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

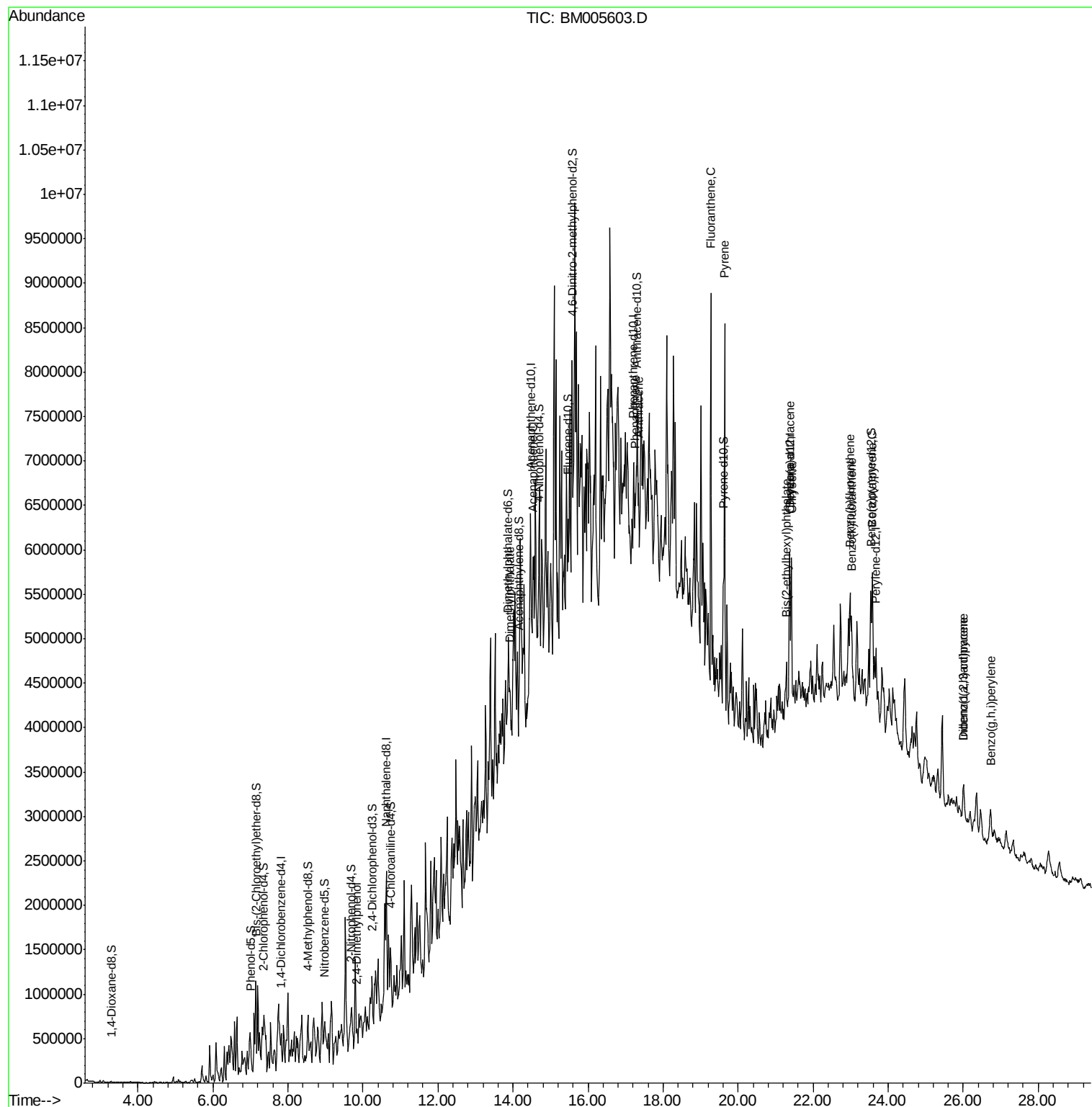
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

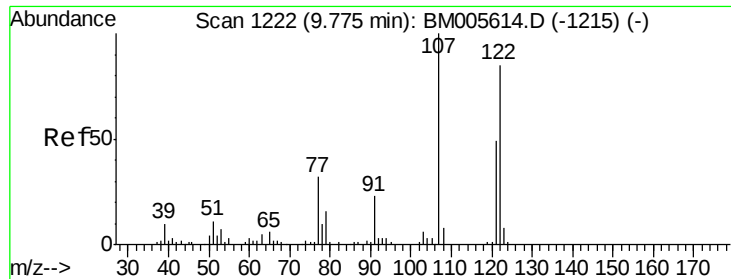
Instrument :
BNA_M
ClientSampled :
JHGL1

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Quant Time: May 23 08:01:07 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





#24

2,4-Dimethylphenol

Concen: 4.42 ng/ul

RT: 9.83 min Scan# 1231

Delta R.T. 0.05 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Instrument :

BNA_M

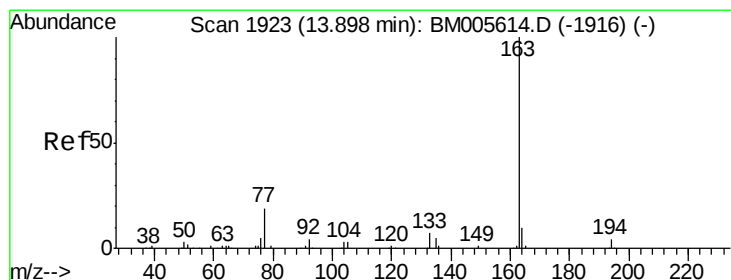
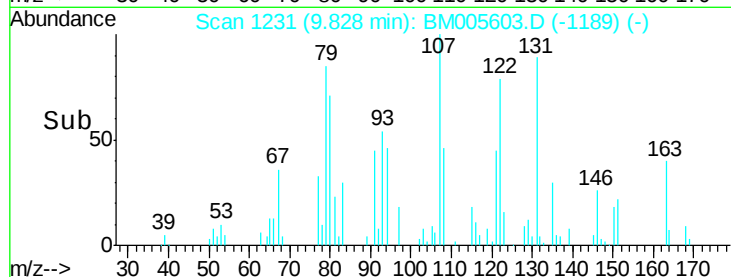
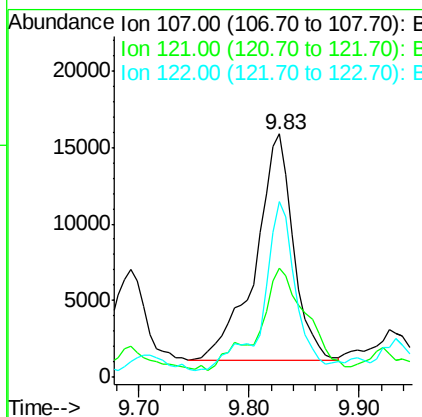
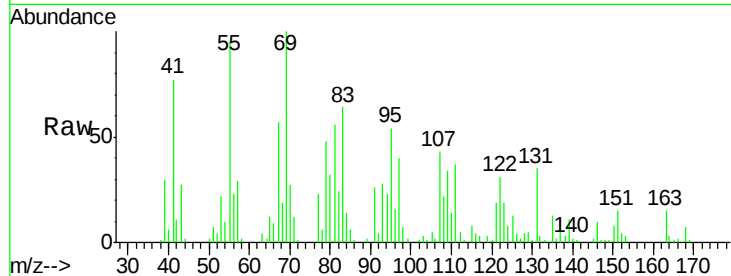
ClientSampleId :

JHGL1

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Tgt Ion:	107	Resp:	35291
Ion Ratio	Lower	Upper	
107	100		
121	45.1	37.5	56.3
122	72.2	66.9	100.3



#44

Dimethylphthalate

Concen: 8.08 ng/ul

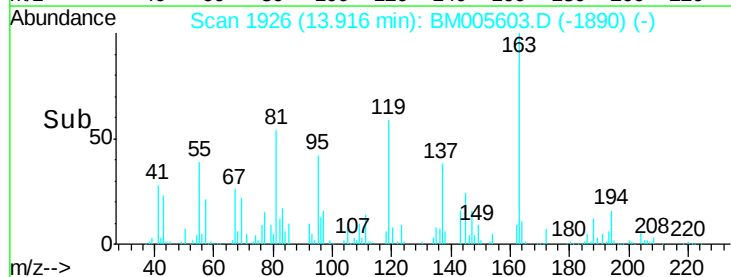
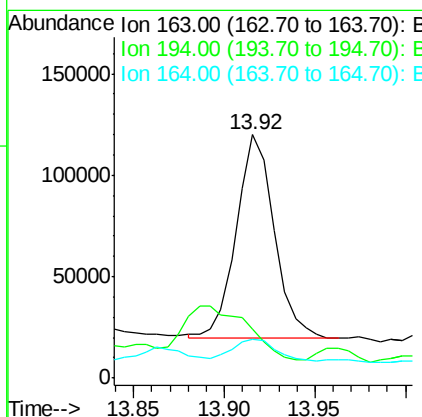
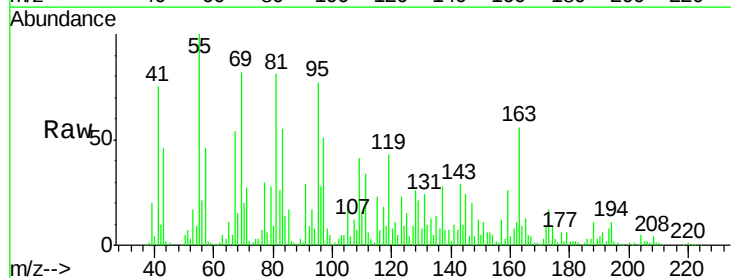
RT: 13.92 min Scan# 1926

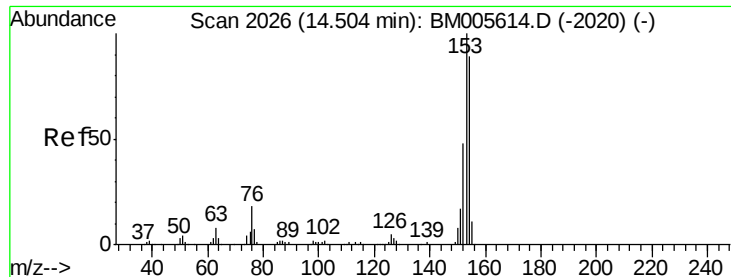
Delta R.T. 0.01 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Tgt Ion:	163	Resp:	146285
Ion Ratio	Lower	Upper	
163	100		
194	20.4	3.4	5.0#
164	16.1	8.0	12.0#





#49

Acenaphthene

Concen: 29.53 ng/ul

RT: 14.53 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BM005603.D

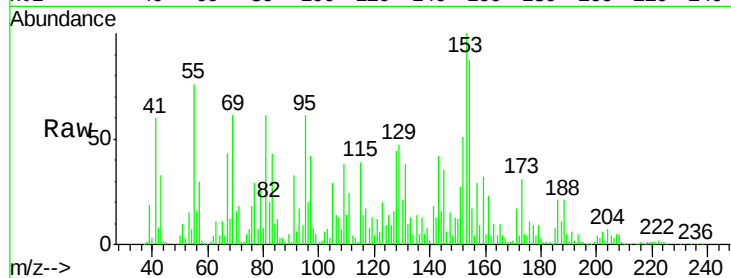
Acq: 23 May 2016 01:06

Instrument :

BNA_M

ClientSampleId :

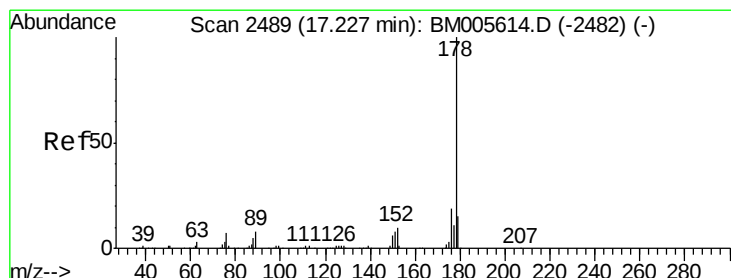
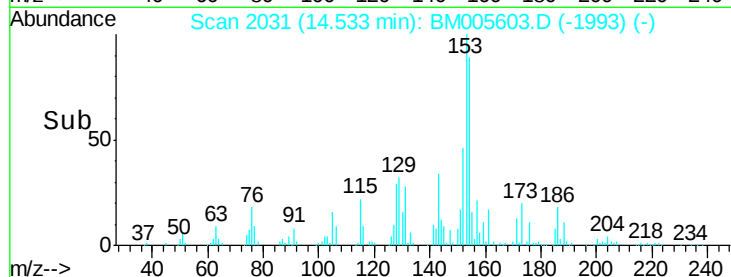
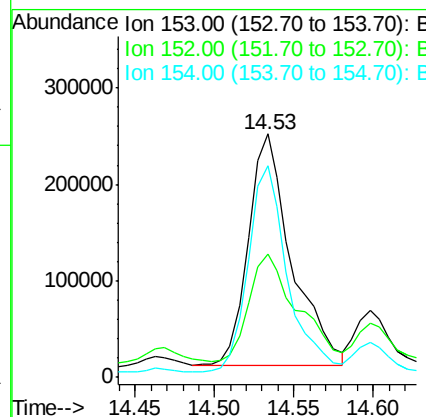
JHGL1



Tgt Ion:	153	Resp:	453360
Ion Ratio	Lower	Upper	
153	100		
152	50.9	37.8	56.6
154	87.1	71.1	106.7

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#69

Phenanthrene

Concen: 15.15 ng/ul

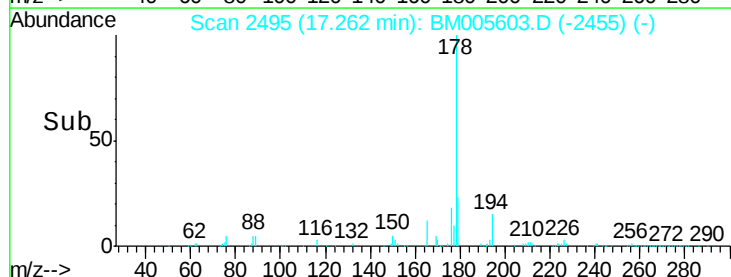
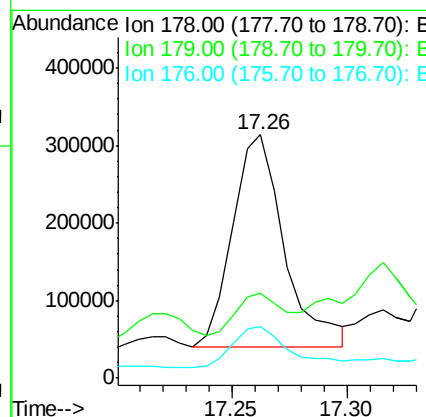
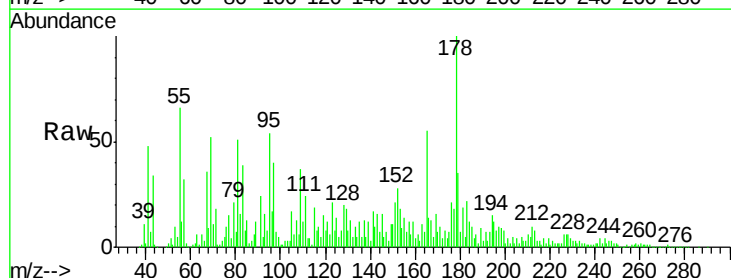
RT: 17.26 min Scan# 2495

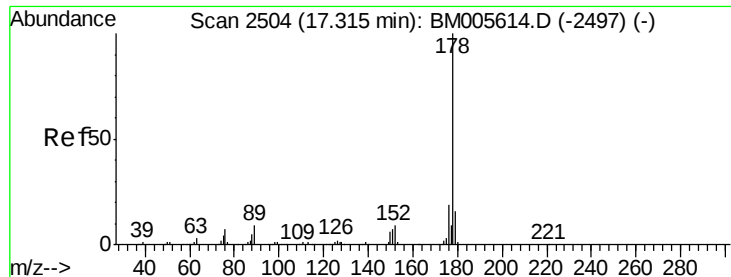
Delta R.T. 0.04 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Tgt Ion:	178	Resp:	432028
Ion Ratio	Lower	Upper	
178	100		
179	35.1	12.2	18.2#
176	21.2	15.8	23.6





#71

Anthracene

Concen: 17.07 ng/ul

RT: 17.35 min Scan# 2510

Delta R.T. 0.03 min

Lab File: BM005603.D

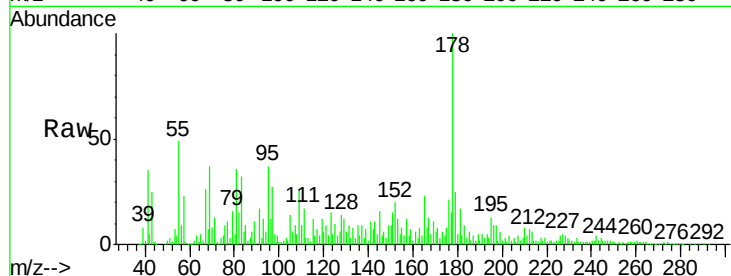
Acq: 23 May 2016 01:06

Instrument :

BNA_M

ClientSampled :

JHGL1



Tgt Ion:178 Resp: 495900

Ion Ratio Lower Upper

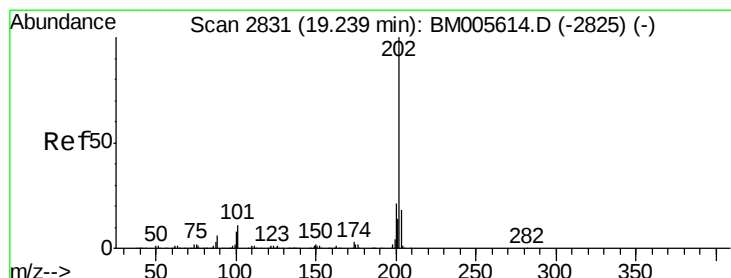
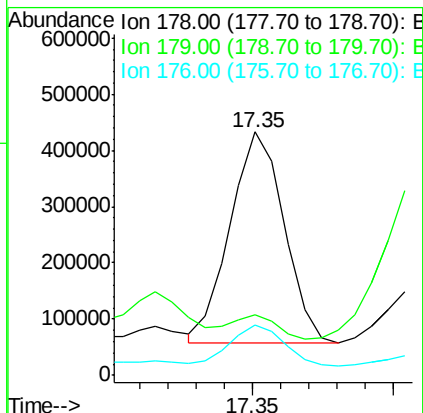
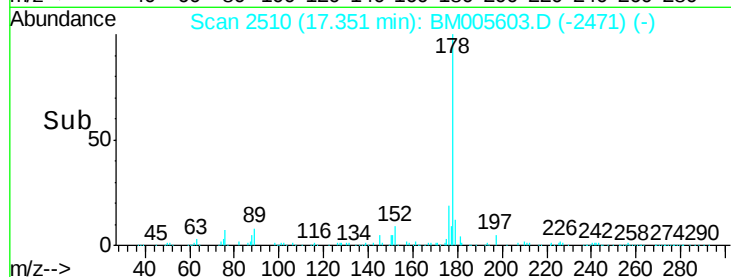
178 100

179 24.8 12.6 18.8#

176 20.5 15.0 22.4

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#74

Fluoranthene

Concen: 93.94 ng/ul

RT: 19.27 min Scan# 2837

Delta R.T. 0.04 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

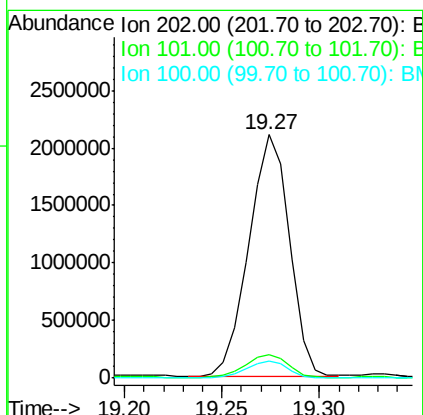
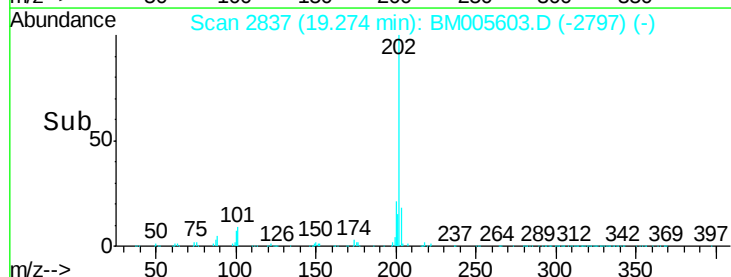
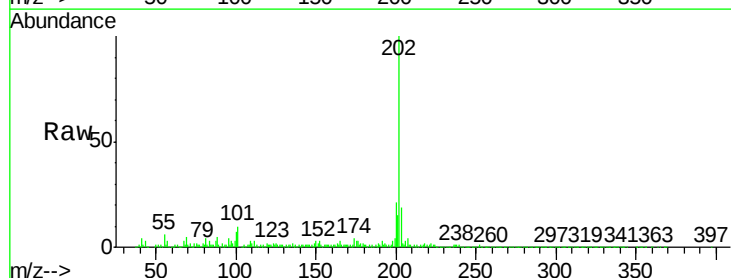
Tgt Ion:202 Resp: 3014765

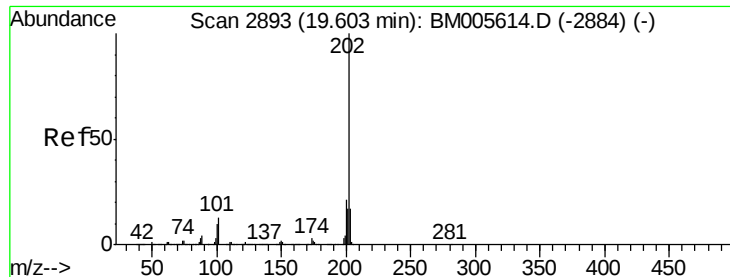
Ion Ratio Lower Upper

202 100

101 9.6 7.9 11.9

100 7.0 5.6 8.4





#77

Pyrene

Concen: 81.01 ng/ul

RT: 19.64 min Scan# 2899

Delta R.T. 0.04 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Instrument :

BNA_M

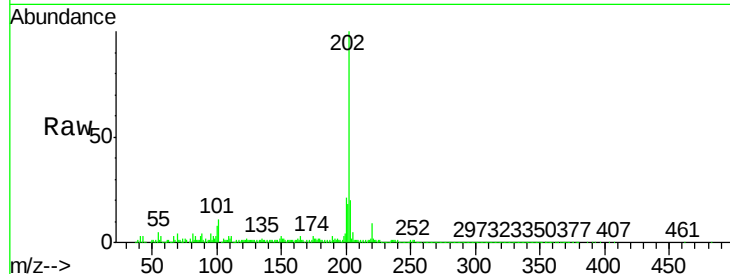
ClientSampled :

JHGL1

Tgt Ion:	202	Resp:	2970635
Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.6	14.4
100	8.4	7.8	11.6

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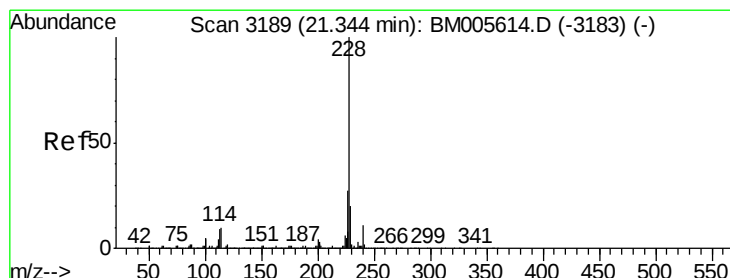
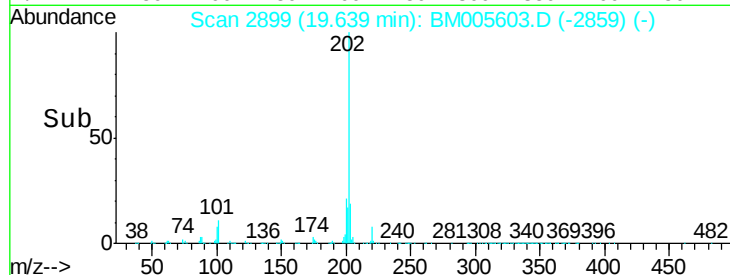
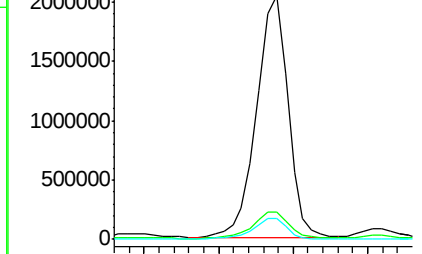
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 22.68 ng/ul

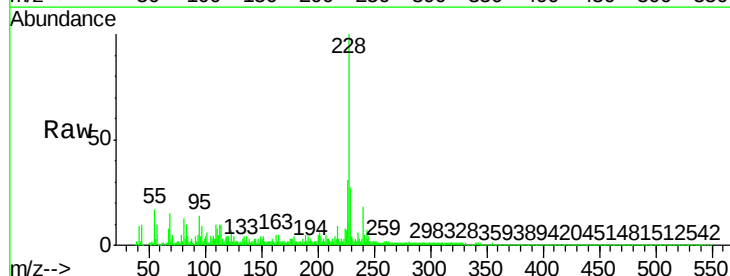
RT: 21.37 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

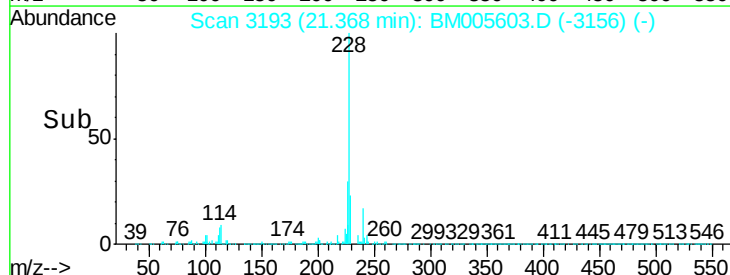
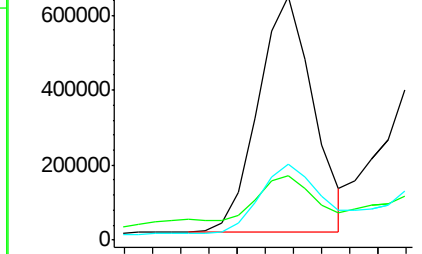
Tgt Ion:	228	Resp:	850501
Ion	Ratio	Lower	Upper
228	100		
229	26.5	15.4	23.2#
226	31.2	21.0	31.4

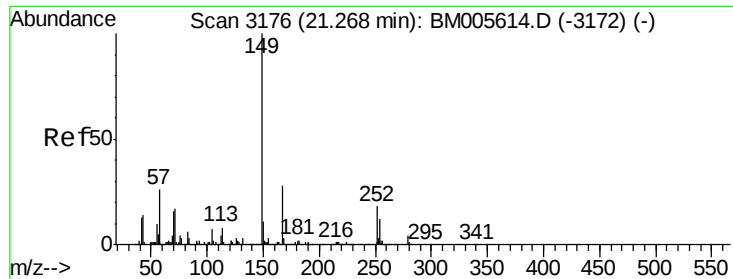


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





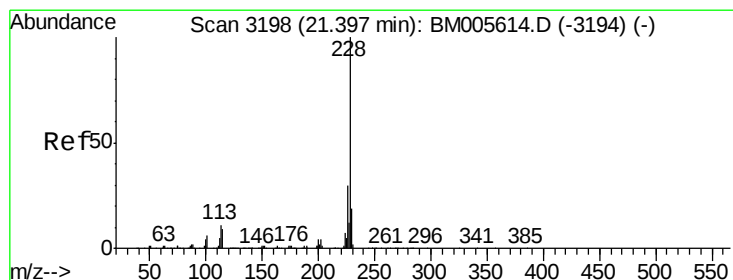
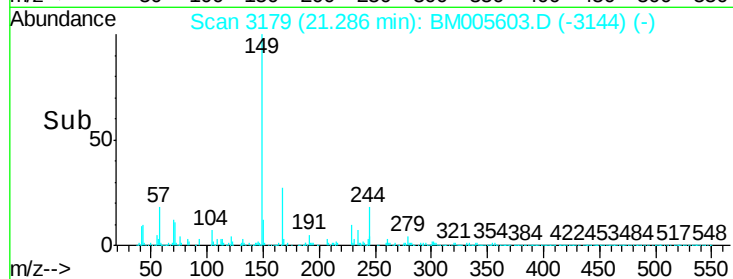
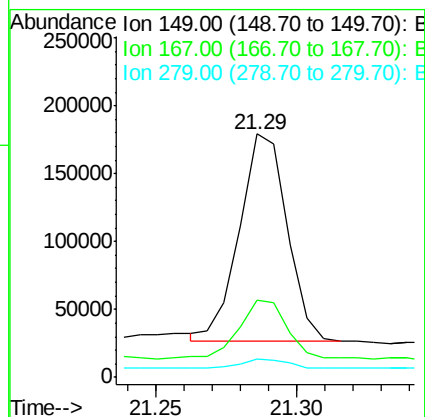
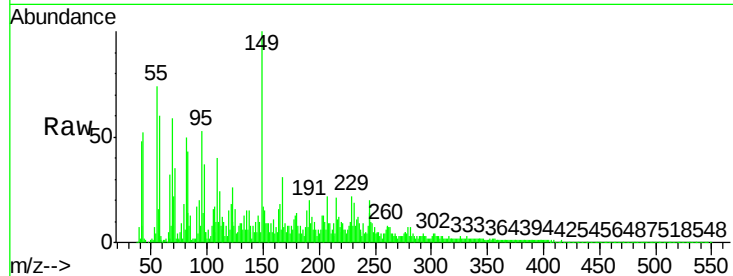
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 8.25 ng/ul
 RT: 21.29 min Scan# 3179
 Delta R.T. 0.01 min
 Lab File: BM005603.D
 Acq: 23 May 2016 01:06

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	31.5	22.0	33.0
279	7.4	3.8	5.8

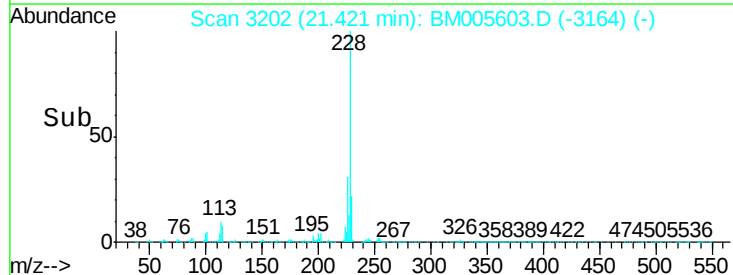
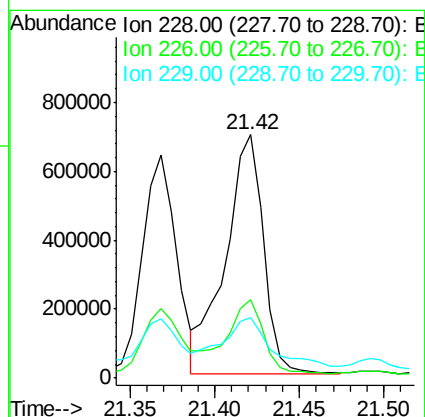
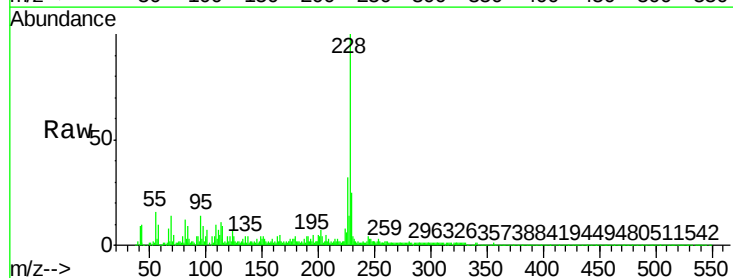
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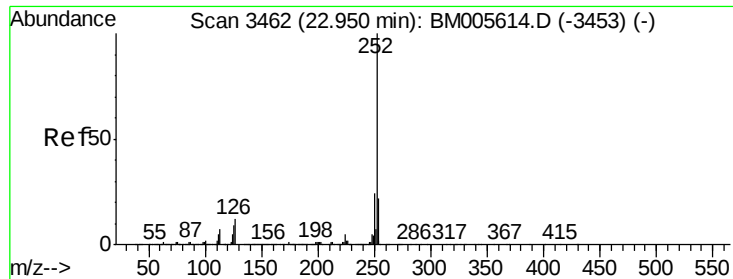
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#82
 Chrysene
 Concen: 30.57 ng/ul
 RT: 21.42 min Scan# 3202
 Delta R.T. 0.02 min
 Lab File: BM005603.D
 Acq: 23 May 2016 01:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.1	23.7	35.5
229	24.8	15.5	23.3





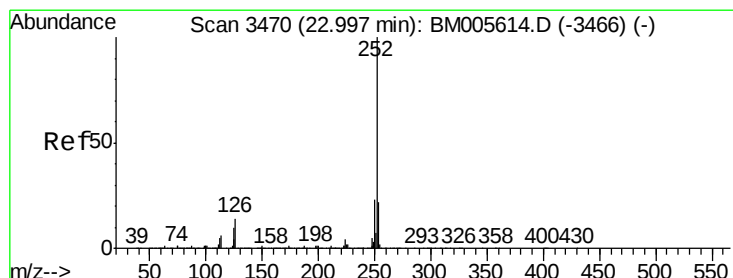
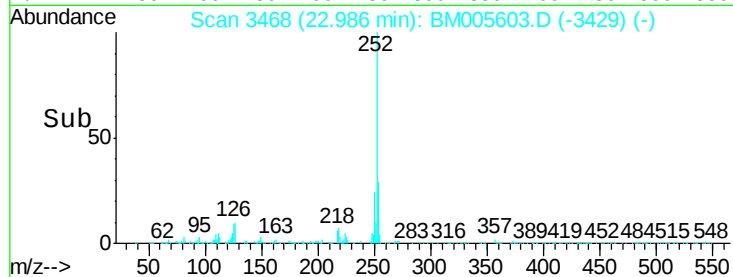
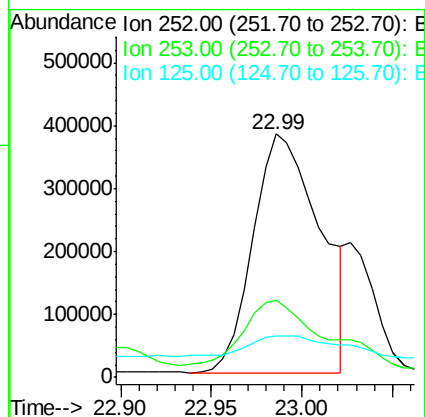
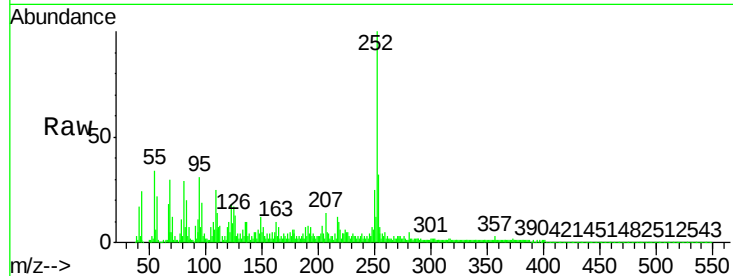
#85
Benzo(b)fluoranthene
Concen: 28.47 ng/ul
RT: 22.99 min Scan# 3468
Delta R.T. 0.03 min
Lab File: BM005603.D
Acq: 23 May 2016 01:06

Instrument :
BNA_M
ClientSampleId :
JHGL1

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	974823		
253	31.8	17.3	25.9#	
125	17.2	7.0	10.4#	

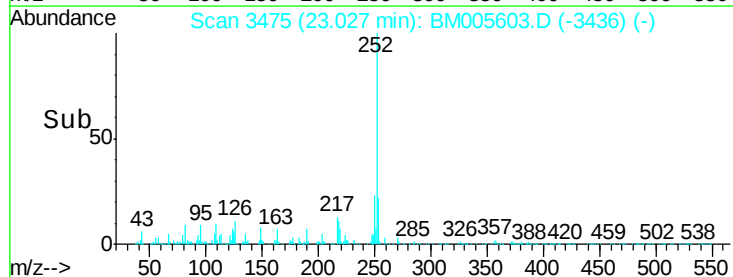
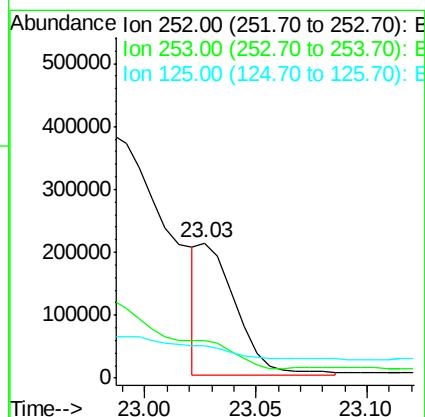
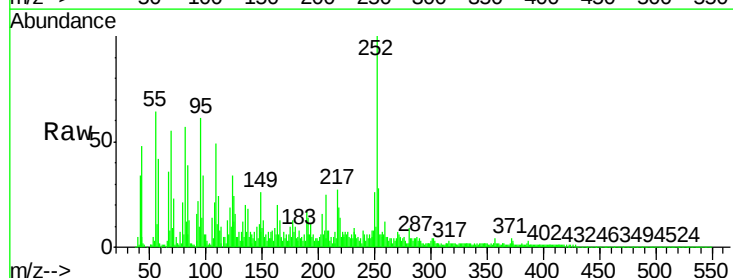
Manual Integrations
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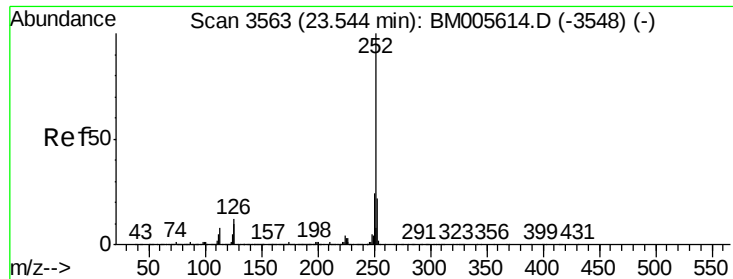
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#86
Benzo(k)fluoranthene
Concen: 7.55 ng/ul m
RT: 23.03 min Scan# 3475
Delta R.T. 0.03 min
Lab File: BM005603.D
Acq: 23 May 2016 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	244675		
253	28.0	17.5	26.3#	
125	23.7	7.0	10.6#	





#88

Benzo(a)pyrene

Concen: 22.60 ng/ul

RT: 23.58 min Scan# 3569

Delta R.T. 0.04 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Instrument :

BNA_M

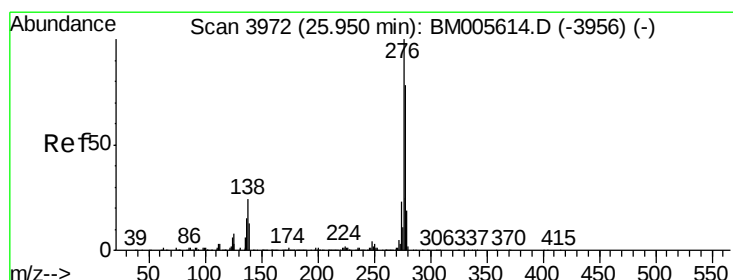
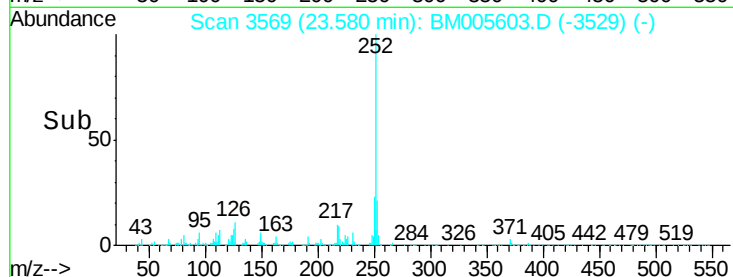
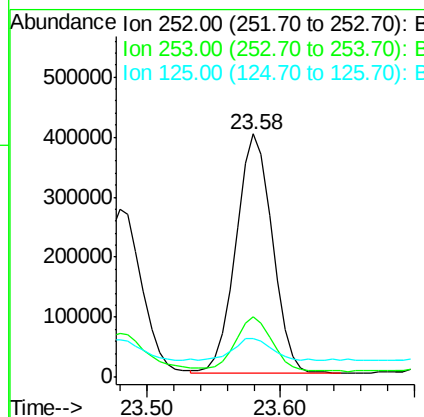
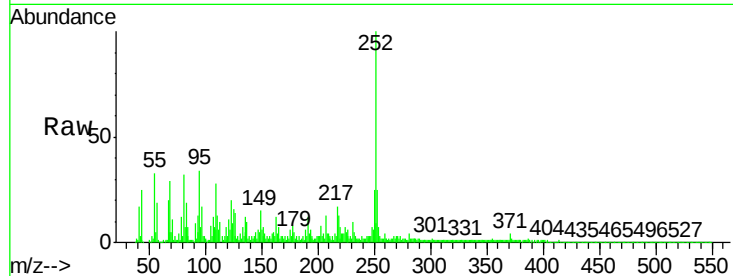
ClientSampleId :

JHGL1

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	750725		
253	24.7	17.6	26.4	
125	15.7	7.6	11.4	

Manual Integrations
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umangi
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#89

Indeno(1,2,3-cd)pyrene

Concen: 11.87 ng/ul

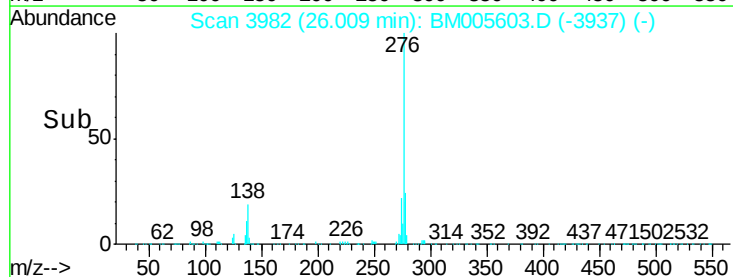
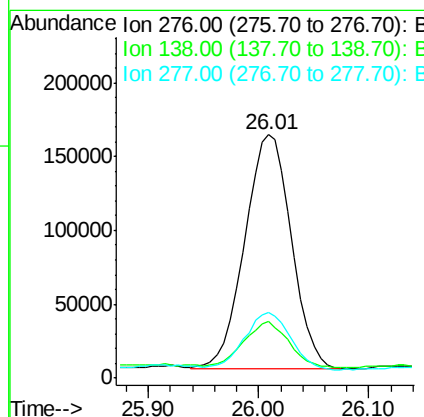
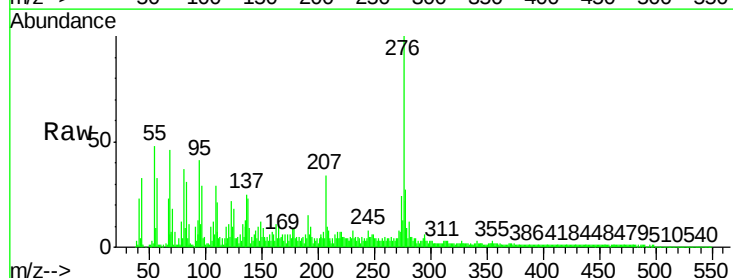
RT: 26.01 min Scan# 3982

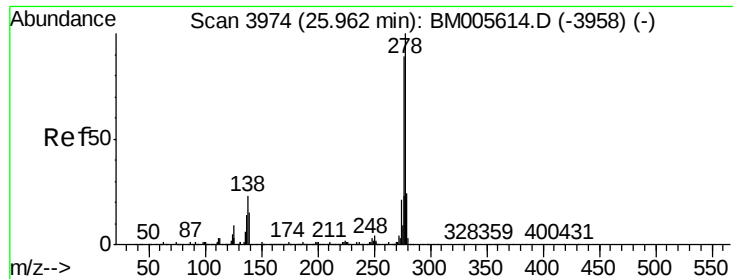
Delta R.T. 0.06 min

Lab File: BM005603.D

Acq: 23 May 2016 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	468286		
138	23.1	16.9	25.3	
277	27.0	20.2	30.4	





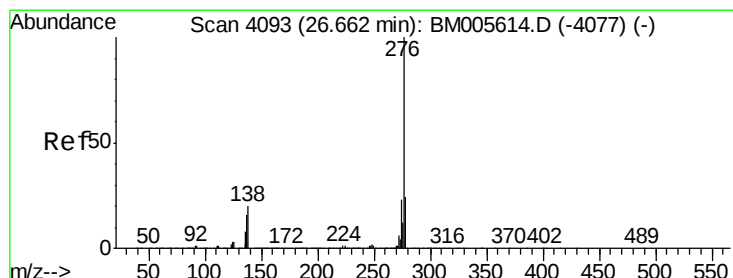
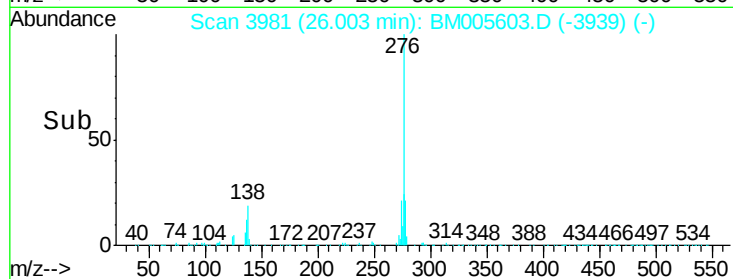
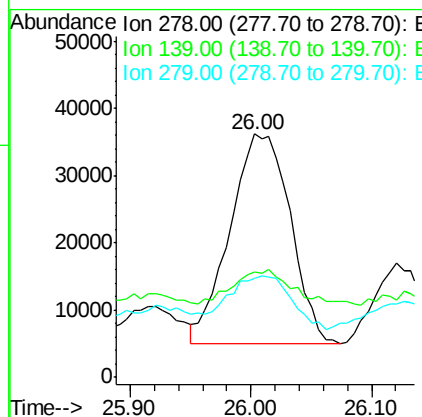
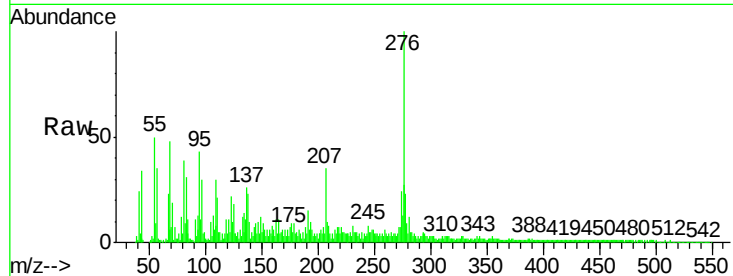
#90
Dibenzo(a,h)anthracene
Concen: 3.30 ng/ul
RT: 26.00 min Scan# 3981
Delta R.T. 0.05 min
Lab File: BM005603.D
Acq: 23 May 2016 01:06

Instrument :
BNA_M
ClientSampleId :
JHGL1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.3	11.8	17.6#
279	40.5	19.4	29.2#

Manual Integrations
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umangi
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#91
Benzo(g,h,i)perylene
Concen: 14.58 ng/ul
RT: 26.73 min Scan# 4104
Delta R.T. 0.07 min
Lab File: BM005603.D
Acq: 23 May 2016 01:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	15.0	22.6#
277	26.5	18.6	28.0

